

Map Unit Description (MN)

Wright County, Minnesota

[Data apply to the entire extent of the map unit within the survey area. Map unit and soil properties for a specific parcel of land may vary somewhat and should be determined by onsite investigation]

7A--Hubbard loamy sand, 0 to 2 percent slopes

Hubbard

Extent: 95 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .10

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB --	0 to 20 in	loamy sand	rapid	1.61 to 2.41 in	5.1 to 7.3
Bw --	20 to 32 in	loamy sand	rapid	0.35 to 0.83 in	5.1 to 7.3
BC,C --	32 to 80 in	sand	rapid	1.44 to 3.36 in	5.6 to 7.8

7B--Hubbard loamy sand, 2 to 6 percent slopes

Hubbard

Extent: 90 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .10

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 18 in	loamy sand	rapid	1.45 to 2.17 in	5.1 to 7.3
Bw --	18 to 23 in	loamy sand	rapid	0.14 to 0.33 in	5.1 to 7.3
BC,C --	23 to 80 in	sand	rapid	1.71 to 4.00 in	5.6 to 7.8

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7C--Hubbard loamy sand, 6 to 12 percent slopes

Hubbard

Extent: 80 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB -- 0 to 12 in	loamy sand	rapid	0.94 to 1.42 in	5.1 to 7.3
Bw -- 12 to 33 in	coarse sand	rapid	0.64 to 1.49 in	5.1 to 7.3
C -- 33 to 80 in	coarse sand	rapid	1.41 to 3.28 in	5.6 to 7.8

8B--Sparta loamy sand, 1 to 6 percent slopes

Sparta

Extent: 95 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 1 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .17

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 16 in	loamy sand	moderately rapid	1.45 to 1.94 in	5.1 to 7.3
Bw -- 16 to 29 in	loamy sand	rapid	0.65 to 1.43 in	5.1 to 7.3
C -- 29 to 60 in	sand	rapid	1.23 to 2.15 in	5.1 to 7.3

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35--Blue Earth mucky silty clay loam, depressional, 0 to 1 percent slopes

Blue Earth, depressional

Extent: 80 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: coprogenous earth over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .28

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	mucky silty clay loam	moderate	1.77 to 2.36 in	7.4 to 8.4
Cg --	10 to 68 in	mucky silty clay loam	moderate	10.42 to 13.89 in	7.4 to 8.4
2Cg --	68 to 80 in	loam	moderate	1.83 to 2.32 in	7.4 to 8.4

74B--Dickinson fine sandy loam, 1 to 6 percent slopes

Dickinson

Extent: 95 percent of the unit

Landform(s): hills on outwash plains, hills on stream terraces

Slope gradient: 1 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1,A2 --	0 to 18 in	fine sandy loam	moderately rapid	2.17 to 2.72 in	5.6 to 7.3
Bw1,Bw2 --	18 to 30 in	fine sandy loam	moderately rapid	1.42 to 1.77 in	5.1 to 6.5
BC --	30 to 36 in	loamy sand	rapid	0.12 to 0.24 in	5.6 to 7.3
C --	36 to 60 in	sand	rapid	0.48 to 0.96 in	5.6 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

86--Canisteo clay loam, moderately fine substratum, 0 to 2 percent slopes

Canisteo

Extent: 80 percent of the unit

Landform(s): flats on moraines, rims on depressions

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 18 in	clay loam	moderate	3.26 to 3.98 in	7.4 to 8.4
Bkg -- 18 to 39 in	loam	moderate	3.13 to 3.96 in	7.4 to 8.4
Cg -- 39 to 80 in	loam	moderate	6.14 to 7.78 in	7.4 to 8.4

106C2--Lester loam, 6 to 12 percent slopes, eroded

Lester, eroded

Extent: 70 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt -- 7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk -- 38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C -- 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

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106D2--Lester loam, 12 to 18 percent slopes, eroded

Lester, eroded

Extent: 80 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:

			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

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106E--Lester loam, 18 to 25 percent slopes

Lester

Extent: 80 percent of the unit

Landform(s): hills on moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:			Texture	Permeability	Available water capacity	pH
A --	0 to 5 in	loam		moderate	1.02 to 1.13 in	5.6 to 7.3
BE,Bt --	5 to 34 in	clay loam		moderate	4.31 to 5.46 in	5.1 to 7.3
Bk --	34 to 60 in	loam		moderate	3.90 to 4.94 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

109--Cordova clay loam, 0 to 2 percent slopes

Cordova

Extent: 90 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative soil profile:			Texture	Permeability	Available water capacity	pH
Ap,A --	0 to 18 in	clay loam		moderately slow	3.26 to 3.98 in	6.1 to 7.3
Btg --	18 to 38 in	clay loam		moderately slow	3.01 to 3.81 in	5.1 to 7.3
Cg --	38 to 80 in	loam		moderate	6.26 to 7.93 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

114--Glencoe clay loam, depressional, 0 to 1 percent slopes

Glencoe, depressional

Extent: 90 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	clay loam		moderate	1.77 to 2.17 in	6.1 to 7.8
A,ABg --	10 to 35 in	clay loam		moderate	4.54 to 5.54 in	6.1 to 7.8
Bg --	35 to 48 in	loam		moderate	1.95 to 2.47 in	6.6 to 7.8
Cg --	48 to 60 in	loam		moderate	1.77 to 2.24 in	7.4 to 8.4

Map Unit Description (MN)

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138--Lerdal silty clay loam, 1 to 3 percent slopes

Lerdal

Extent: 80 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 3 percent

Parent material: glaciofluvial sediments and reworked till over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .37

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	silty clay loam	moderate	1.28 to 1.56 in	5.6 to 6.5
E -- 7 to 9 in	silty clay loam	moderate	0.35 to 0.43 in	5.6 to 6.5
Bt,Btg,Bw -- 9 to 47 in	silty clay loam	slow	4.91 to 7.18 in	4.5 to 6.0
Bk -- 47 to 60 in	clay loam	moderate	1.95 to 2.47 in	7.4 to 8.4

158A--Zimmerman fine sand, 0 to 3 percent slopes

Zimmerman

Extent: 90 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 3 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 1

Wind erodibility index (WEI): 250

Kw factor (surface layer) .10

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	fine sand	rapid	0.50 to 0.64 in	5.1 to 6.5
E,Bw,E&Bt -- 7 to 80 in	fine sand	rapid	4.37 to 7.28 in	5.1 to 7.3

Map Unit Description (MN)

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158B--Zimmerman fine sand, 3 to 6 percent slopes

Zimmerman

Extent: 90 percent of the unit

Landform(s): hills on outwash plains

Slope gradient: 3 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 1

Wind erodibility index (WEI): 250

Kw factor (surface layer) .10

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	fine sand		rapid	0.50 to 0.64 in	5.1 to 6.5
E,Bw,E&Bt --	7 to 80 in	fine sand		rapid	4.37 to 7.28 in	5.1 to 7.3

158C--Zimmerman fine sand, 6 to 12 percent slopes

Zimmerman

Extent: 90 percent of the unit

Landform(s): hills on outwash plains

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 1

Wind erodibility index (WEI): 250

Kw factor (surface layer) .10

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	fine sand		rapid	0.50 to 0.64 in	5.1 to 6.5
E,Bw,E&Bt --	7 to 80 in	fine sand		rapid	4.37 to 7.28 in	5.1 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

158E--Zimmerman fine sand, 12 to 25 percent slopes

Zimmerman

Extent: 85 percent of the unit

Landform(s): hills on outwash plains

Slope gradient: 12 to 25 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 1

Wind erodibility index (WEI): 250

Kw factor (surface layer) .10

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

Representative soil profile:			Texture	Permeability	Available water capacity	pH
A --	0 to 3 in		fine sand	rapid	0.22 to 0.28 in	5.1 to 6.5
E,Bw,E&Bt --	3 to 80 in		fine sand	rapid	4.61 to 7.68 in	5.1 to 7.3

169C--Braham loamy fine sand, 6 to 12 percent slopes

Braham

Extent: 90 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: outwash over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .28

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: low

Representative soil profile:			Texture	Permeability	Available water capacity	pH
Ap --	0 to 8 in		loamy fine sand	rapid	0.79 to 0.94 in	5.6 to 7.3
E --	8 to 28 in		loamy sand	rapid	1.61 to 2.01 in	5.6 to 7.3
2Bt --	28 to 48 in		clay loam	moderate	3.01 to 3.61 in	5.1 to 7.3
2Bk --	48 to 80 in		loam	moderate	4.78 to 5.74 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

181--Litchfield loamy fine sand, 0 to 2 percent slopes

Litchfield

Extent: 95 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: moderate

Representative soil profile:		Texture	Permeability	Available water capacity	pH
Ap,A,AB --	0 to 20 in	loamy fine sand	rapid	2.01 to 2.41 in	5.1 to 7.3
Bw --	20 to 33 in	fine sand	moderately rapid	0.91 to 2.08 in	5.1 to 7.3
BC --	33 to 40 in	very fine sandy loam	moderate	1.20 to 1.35 in	5.1 to 7.3
C --	40 to 80 in	loamy fine sand	rapid	3.18 to 3.98 in	6.1 to 7.8

229--Waldorf silty clay loam, 0 to 2 percent slopes

Waldorf

Extent: 90 percent of the unit

Landform(s): flats on lake plains, flats on moraines

Slope gradient: 0 to 2 percent

Parent material: glaciolacustrine sediments

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4

Wind erodibility index (WEI): 86

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative soil profile:		Texture	Permeability	Available water capacity	pH
Ap,A,AB --	0 to 20 in	silty clay loam	moderately slow	3.61 to 5.02 in	6.1 to 7.3
Bg --	20 to 53 in	silty clay	moderately slow	4.30 to 5.29 in	6.6 to 7.8
Cg --	53 to 80 in	silty clay loam	moderately slow	5.35 to 5.89 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

231C--Lester fine sandy loam, 6 to 12 percent slopes

Lester

Extent: 80 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	fine sandy loam	moderately rapid	1.09 to 1.36 in	5.6 to 7.3
BE,Bt --	9 to 53 in	clay loam	moderate	6.61 to 8.38 in	5.1 to 7.3
C --	53 to 80 in	loam	moderate	4.02 to 5.09 in	7.4 to 8.4

231D--Lester fine sandy loam, 12 to 18 percent slopes

Lester

Extent: 80 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 6 in	fine sandy loam	moderately rapid	0.71 to 0.89 in	5.6 to 7.3
Bt --	6 to 34 in	clay loam	moderate	4.19 to 5.31 in	5.1 to 7.3
C --	34 to 80 in	loam	moderate	6.91 to 8.75 in	7.4 to 8.4

Map Unit Description (MN)

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235--Nessel loam, 1 to 3 percent slopes

Nessel

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .37

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: C

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 6 in	loam		moderate	1.18 to 1.30 in	5.6 to 7.3
Bt --	6 to 38 in	clay loam		moderate	4.84 to 6.13 in	5.1 to 7.3
C --	38 to 80 in	loam		moderate	6.26 to 7.93 in	7.4 to 8.4

239--Le Sueur clay loam, 1 to 3 percent slopes

Le Sueur

Extent: 80 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB --	0 to 17 in	clay loam		moderate	2.88 to 3.39 in	5.6 to 7.3
Bt --	17 to 37 in	clay loam		moderate	3.01 to 3.81 in	5.1 to 7.3
Bk --	37 to 46 in	loam		moderate	1.36 to 1.72 in	7.4 to 8.4
C --	46 to 80 in	loam		moderate	5.08 to 6.43 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

247--Linder loam, 0 to 2 percent slopes

Linder

Extent: 90 percent of the unit

Landform(s): outwash plains, stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 13 in	loam	moderate	2.60 to 2.86 in	6.1 to 7.3
Bw -- 13 to 24 in	sandy loam	moderately rapid	1.65 to 1.87 in	6.1 to 7.3
2C -- 24 to 60 in	stratified gravelly coarse sand to coarse sand to loamy coarse sand	very rapid	0.72 to 1.43 in	7.4 to 8.4

255--Mayer loam, 0 to 2 percent slopes

Mayer

Extent: 85 percent of the unit

Landform(s): flats on outwash plains, flats on stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1,A2 -- 0 to 18 in	loam	moderate	3.62 to 3.98 in	7.4 to 8.4
Bg -- 18 to 33 in	sandy clay loam	moderate	2.39 to 2.84 in	7.4 to 8.4
2C -- 33 to 80 in	gravelly coarse sand	rapid	0.94 to 1.87 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

256--Mazaska silty clay loam, 0 to 2 percent slopes

Mazaska

Extent: 90 percent of the unit

Landform(s): drainageways on moraines, flats on moraines

Slope gradient: 0 to 2 percent

Parent material: glaciofluvial sediments and reworked till over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	silty clay loam	moderately slow	2.54 to 3.29 in	6.1 to 7.3
Btg -- 15 to 42 in	clay	slow	2.72 to 4.35 in	4.5 to 6.5
Bkg -- 42 to 80 in	loam	moderate	5.67 to 7.18 in	7.4 to 8.4

258B--Sandberg loamy sand, 2 to 6 percent slopes

Sandberg

Extent: 95 percent of the unit

Landform(s): hills on stream terraces

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 12 in	loamy sand	rapid	1.18 to 1.42 in	5.6 to 7.8
Bw -- 12 to 19 in	gravelly loamy coarse sand	rapid	0.21 to 0.71 in	6.1 to 7.8
Bk,C -- 19 to 80 in	gravelly coarse sand	very rapid	1.22 to 3.66 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

258C--Sandberg loamy sand, 6 to 12 percent slopes

Sandberg

Extent: 90 percent of the unit

Landform(s): hills on stream terraces

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 12 in	loamy sand	rapid	1.18 to 1.42 in	5.6 to 7.8
Bw -- 12 to 19 in	gravelly loamy coarse sand	rapid	0.21 to 0.71 in	6.1 to 7.8
Bk,C -- 19 to 80 in	gravelly coarse sand	very rapid	1.22 to 3.66 in	7.4 to 8.4

258E--Sandberg loamy sand, 12 to 35 percent slopes

Sandberg

Extent: 85 percent of the unit

Landform(s): hills on stream terraces

Slope gradient: 12 to 35 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

Land capability, nonirrigated: 7s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 12 in	loamy sand	rapid	1.18 to 1.42 in	5.6 to 7.8
Bw -- 12 to 19 in	gravelly loamy coarse sand	rapid	0.21 to 0.71 in	6.1 to 7.8
Bk,C -- 19 to 80 in	gravelly coarse sand	very rapid	1.22 to 3.66 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

260--Duelm loamy sand, 0 to 2 percent slopes

Duelm

Extent: 90 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .10

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB -- 0 to 16 in	loamy sand	rapid	1.29 to 1.94 in	5.6 to 7.3
Bw -- 16 to 30 in	coarse sand	rapid	0.83 to 1.52 in	5.1 to 7.3
C -- 30 to 80 in	coarse sand	rapid	1.00 to 3.50 in	5.6 to 7.8

261--Isan sandy loam, depressional, 0 to 1 percent slopes

Isan, depressional

Extent: 90 percent of the unit

Landform(s): depressions on stream terraces, depressions on outwash plains

Slope gradient: 0 to 1 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 14 in	sandy loam	moderately rapid	1.42 to 2.13 in	5.6 to 7.3
AB,Bg -- 14 to 34 in	loamy sand	rapid	1.18 to 1.97 in	5.1 to 6.5
Cg -- 34 to 80 in	coarse sand	rapid	1.84 to 2.76 in	5.6 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

286B--Shorewood silty clay loam, 3 to 6 percent slopes

Shorewood

Extent: 95 percent of the unit

Landform(s): hills on lake plains, hills on moraines

Slope gradient: 3 to 6 percent

Parent material: lacustrine sediments over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A,AB -- 0 to 17 in	silty clay loam	moderately slow	3.05 to 3.72 in	5.6 to 7.3
Bt -- 17 to 39 in	silty clay	moderately slow	2.87 to 3.53 in	5.1 to 7.3
2BCg,2Cg -- 39 to 60 in	loam	moderate	3.13 to 3.96 in	7.4 to 8.4

294A--Rasset sandy loam, 0 to 2 percent slopes

Rasset

Extent: 90 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt -- 15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC -- 28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C -- 36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

323--Shields silty clay loam, 0 to 3 percent slopes

Shields

Extent: 95 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 3 percent

Parent material: glaciofluvial sediments and reworked till over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated: 2w

Hydric soil: no

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in		silty clay loam	moderate	1.42 to 1.73 in	5.6 to 6.5
BE,Btg --	8 to 41 in		silty clay	slow	3.31 to 5.29 in	5.6 to 6.5
2Bk --	41 to 80 in		silty clay loam	moderate	4.29 to 7.41 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

327A--Dickman sandy loam, 0 to 2 percent slopes

Dickman

Extent: 85 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 12 in	sandy loam	moderately rapid	1.54 to 1.77 in	5.6 to 6.5
Bw --	12 to 19 in	sandy loam	moderately rapid	0.85 to 0.99 in	5.6 to 7.3
2Bw --	19 to 33 in	loamy sand	rapid	0.43 to 0.99 in	5.6 to 7.3
2C --	33 to 80 in	sand	rapid	0.94 to 3.28 in	6.1 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

327B--Dickman sandy loam, 2 to 6 percent slopes

Dickman

Extent: 85 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

Representative soil profile:

			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 12 in		sandy loam	moderately rapid	1.54 to 1.77 in	5.6 to 6.5
Bw --	12 to 19 in		sandy loam	moderately rapid	0.85 to 0.99 in	5.6 to 7.3
2Bw --	19 to 33 in		loamy sand	rapid	0.43 to 0.99 in	5.6 to 7.3
2C --	33 to 80 in		sand	rapid	0.94 to 3.28 in	6.1 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

375--Forada loam, 0 to 2 percent slopes

Forada

Extent: 85 percent of the unit

Landform(s): drainageways on outwash plains, drainageways on stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 16 in	loam	moderate	3.23 to 3.55 in	6.1 to 7.3
Bg --	16 to 28 in	loam	moderately rapid	1.42 to 2.24 in	6.1 to 7.8
2Cg --	28 to 60 in	coarse sand	rapid	0.64 to 3.19 in	6.6 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

392--Biscay loam, 0 to 2 percent slopes

Biscay

Extent: 90 percent of the unit

Landform(s): drainageways on outwash plains, flats on outwash plains, drainageways on stream terraces, flats on stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1,A2 --	0 to 20 in	loam	moderate	4.02 to 4.42 in	6.1 to 7.8
Bg --	20 to 28 in	loam	moderate	1.34 to 1.50 in	6.6 to 7.8
2BCg --	28 to 36 in	gravelly loam	moderately rapid	0.87 to 1.34 in	6.6 to 7.8
2Cg --	36 to 60 in	stratified gravelly coarse sand to loamy sand	rapid	0.48 to 0.96 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

406--Dorset sandy loam, 0 to 2 percent slopes

Dorset

Extent: 90 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 11 in	sandy loam	moderately rapid	1.43 to 1.65 in	5.6 to 7.3
Bt --	11 to 19 in	sandy loam	moderately rapid	0.94 to 1.50 in	5.6 to 7.3
2BC --	19 to 32 in	gravelly loamy sand	rapid	0.78 to 1.30 in	6.6 to 8.4
2C --	32 to 80 in	gravelly coarse sand	rapid	0.96 to 1.92 in	7.4 to 8.4

414--Hamel loam, 1 to 3 percent slopes

Hamel

Extent: 90 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 1 to 3 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A,AB --	0 to 24 in	loam	moderate	4.80 to 5.76 in	5.6 to 7.3
Btg --	24 to 46 in	clay loam	moderately slow	3.53 to 4.19 in	5.6 to 7.3
Cg --	46 to 80 in	loam	moderate	5.08 to 6.43 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

441--Almora loam, 0 to 2 percent slopes

Almora

Extent: 90 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	loam	moderate	1.97 to 2.17 in	5.6 to 7.3
BE --	10 to 14 in	fine sandy loam	moderate	0.52 to 0.82 in	5.6 to 7.3
Bt --	14 to 36 in	loam	moderate	3.03 to 4.11 in	5.6 to 7.3
2Bt --	36 to 41 in	loamy sand	rapid	0.10 to 0.56 in	5.6 to 7.8
2C --	41 to 80 in	gravelly coarse sand	rapid	0.78 to 2.73 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

461B--Koronis loam, 2 to 6 percent slopes

Koronis

Extent: 85 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 31 in	loam		moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk,C --	31 to 80 in	fine sandy loam		moderately rapid	5.37 to 7.81 in	7.4 to 8.4

461C2--Koronis loam, 6 to 12 percent slopes, eroded

Koronis, eroded

Extent: 80 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .37

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 31 in	loam		moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk,C --	31 to 80 in	fine sandy loam		moderately rapid	5.37 to 7.81 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

461E--Koronis loam, 18 to 40 percent slopes

Koronis

Extent: 80 percent of the unit

Landform(s): hills on moraines

Slope gradient: 18 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderately rapid	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 28 in	loam		moderately rapid	3.13 to 3.96 in	5.6 to 7.3
Bk --	28 to 80 in	fine sandy loam		moderately rapid	5.72 to 8.31 in	7.4 to 8.4

511--Marcellon loam, map <30, 0 to 3 percent slopes

Marcellon, MAP<30

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 13 in	loam		moderate	2.21 to 3.12 in	5.6 to 7.3
Bt --	13 to 32 in	loam		moderate	2.27 to 3.40 in	5.6 to 7.3
Bk --	32 to 60 in	sandy loam		moderately rapid	3.07 to 4.47 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

523--Houghton muck, depressional, 0 to 1 percent slopes

Houghton, drained

Extent: 80 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oap -- 0 to 10 in	muck	moderately rapid	3.44 to 4.43 in	
Oa -- 10 to 80 in	muck	moderately rapid	24.53 to 31.54 in	

525--Muskego muck, depressional, 0 to 1 percent slopes

Muskego, surface drained

Extent: 75 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa1 -- 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2 -- 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco -- 36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	

Map Unit Description (MN)

Wright County, Minnesota

539--Klossner muck, depressional, 0 to 1 percent slopes

Klossner, drained

Extent: 80 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oap,Oa -- 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 -- 26 to 36 in	mucky silty clay loam	moderate	2.17 to 2.56 in	
2A2 -- 36 to 48 in	silty clay loam	moderate	2.20 to 2.69 in	
2Cg -- 48 to 80 in	loam	moderate	4.78 to 6.06 in	

540--Seelyeville muck, depressional, 0 to 1 percent slopes

Seelyeville, surface drained

Extent: 80 percent of the unit

Landform(s): depressions on moraines, depressions on outwash plains

Slope gradient: 0 to 1 percent

Parent material: organic material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa1 -- 0 to 10 in	muck	moderately rapid	3.44 to 4.43 in	
Oa2,Oa5 -- 10 to 80 in	muck	moderately rapid	24.53 to 31.54 in	

Map Unit Description (MN)

Wright County, Minnesota

543--Markey muck, depressional, 0 to 1 percent slopes

Markey, surface drained

Extent: 80 percent of the unit

Landform(s): depressions on stream terraces, depressions on outwash plains

Slope gradient: 0 to 1 percent

Parent material: organic material over outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa --	0 to 36 in	muck		moderately rapid	12.54 to 16.12 in	
A --	36 to 42 in	loamy sand		rapid	0.19 to 0.50 in	
Cg --	42 to 80 in	sand		rapid	1.13 to 3.02 in	

Map Unit Description (MN)

Wright County, Minnesota

548--Medo muck, depressional, 0 to 1 percent slopes

Medo, drained

Extent: 80 percent of the unit

Landform(s): depressions on stream terraces, depressions on outwash plains

Slope gradient: 0 to 1 percent

Parent material: organic material over outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oap,Oa --	0 to 27 in	muck	moderately rapid	9.51 to 12.22 in	
2A --	27 to 35 in	mucky loam	moderately rapid	1.02 to 1.57 in	
2Bg --	35 to 39 in	sandy clay loam	moderately rapid	0.51 to 0.79 in	
2Cg --	39 to 80 in	gravelly loamy coarse sand	rapid	1.23 to 4.09 in	

Map Unit Description (MN)

Wright County, Minnesota

603--Hanlon fine sandy loam, 0 to 2 percent slopes, occasionally flooded

Hanlon, occasionally flooded

Extent: 80 percent of the unit

Landform(s): rises on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1,A2 --	0 to 40 in	fine sandy loam	moderately rapid	6.43 to 7.23 in	6.1 to 7.3
A3 --	40 to 63 in	fine sandy loam	moderately rapid	3.65 to 4.11 in	6.1 to 7.3
Bw --	63 to 70 in	sandy loam	moderately rapid	0.78 to 0.92 in	5.6 to 7.3
Cg --	70 to 80 in	stratified sand to loamy fine sand to fine sandy loam	moderately rapid	1.18 to 1.87 in	5.6 to 7.8

611D--Hawick gravelly sandy loam, 12 to 25 percent slopes

Hawick

Extent: 85 percent of the unit

Landform(s): hills on outwash plains, hills on stream terraces

Slope gradient: 12 to 25 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .15

Land capability, nonirrigated: 7s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB --	0 to 10 in	gravelly sandy loam	rapid	0.30 to 1.28 in	6.1 to 7.8
C --	10 to 60 in	gravelly coarse sand	very rapid	1.00 to 3.00 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

708--Rushlake coarse sand, 1 to 4 percent slopes

Rushlake

Extent: 85 percent of the unit

Landform(s): beaches

Slope gradient: 1 to 4 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 1

Wind erodibility index (WEI): 180

Kw factor (surface layer) .02

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 9 in		coarse sand	rapid	0.36 to 0.63 in	6.1 to 7.8
C --	9 to 80 in		coarse sand	rapid	1.42 to 7.09 in	6.5 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

740--Hamel-Glencoe, depressional, complex, 0 to 3 percent slopes

Hamel

Extent: 70 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 0 to 3 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A,AB -- 0 to 24 in	loam	moderate	4.80 to 5.76 in	5.6 to 7.3
Btg -- 24 to 46 in	clay loam	moderately slow	3.53 to 4.19 in	5.6 to 7.3
Cg -- 46 to 80 in	loam	moderate	5.08 to 6.43 in	7.4 to 8.4

Glencoe, depressional

Extent: 20 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	clay loam	moderate	1.77 to 2.17 in	6.1 to 7.8
A,ABg -- 10 to 35 in	clay loam	moderate	4.54 to 5.54 in	6.1 to 7.8
Bg -- 35 to 48 in	loam	moderate	1.95 to 2.47 in	6.6 to 7.8
Cg -- 48 to 60 in	loam	moderate	1.77 to 2.24 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

768--Mosford sandy loam, 0 to 2 percent slopes

Mosford

Extent: 85 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 13 in	sandy loam	moderately rapid	1.69 to 2.34 in	5.1 to 7.3
Bw --	13 to 16 in	coarse sandy loam	moderately rapid	0.38 to 0.54 in	5.1 to 7.3
2Bw --	16 to 35 in	coarse sand	rapid	0.57 to 2.08 in	5.1 to 7.3
2C --	35 to 80 in	sand	rapid	0.90 to 3.14 in	5.1 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

771--Elkriver fine sandy loam, 0 to 2 percent slopes, rarely flooded

Elkriver, rarely flooded

Extent: 85 percent of the unit

Landform(s): benches on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: rare

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	fine sandy loam	moderately rapid	1.57 to 1.97 in	5.1 to 7.3
A1,A3 --	10 to 35 in	fine sandy loam	moderately rapid	3.78 to 5.04 in	5.1 to 7.3
Bw --	35 to 39 in	fine sandy loam	moderately rapid	0.59 to 0.75 in	5.6 to 7.8
2C --	39 to 80 in	sand	rapid	0.82 to 4.09 in	5.6 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

783C2--Lester-Kilkenny complex, 6 to 12 percent slopes, eroded

Lester, eroded

Extent: 50 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Kilkenny, eroded

Extent: 30 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: glaciofluvial sediments and reworked till over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: C

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	clay loam		moderately slow	1.54 to 1.72 in	5.6 to 7.3
Bt --	9 to 53 in	clay loam		moderately slow	6.61 to 8.38 in	5.1 to 7.3
2BC,2C --	53 to 80 in	loam		moderate	4.02 to 5.09 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

792--Fordum fine sandy loam, 0 to 2 percent slopes, frequently flooded

Fordum, frequently flooded

Extent: 90 percent of the unit

Landform(s): alluvial flats on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: very poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 7 in		fine sandy loam	moderately rapid	0.78 to 1.28 in	5.1 to 7.3
Cg --	7 to 28 in		sandy loam	moderately rapid	2.09 to 4.59 in	5.1 to 7.3
2Cg --	28 to 80 in		sand	rapid	2.08 to 5.20 in	5.6 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

799--Seelyeville and Bowstring soils, 0 to 1 percent slopes, frequently flooded

Seelyeville, frequently flooded

Extent: 45 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 1 percent

Parent material: organic material

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa1 -- 0 to 12 in	muck	moderately rapid	4.13 to 5.31 in	
Oa2,Oa3 -- 12 to 80 in	muck	moderately rapid	23.84 to 30.65 in	

Bowstring, frequently flooded

Extent: 45 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 1 percent

Parent material: organic material and alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa1,Oa2 -- 0 to 38 in	muck	moderately rapid	13.23 to 17.01 in	
Cg -- 38 to 47 in	stratified fine sand to fine sandy loam	rapid	0.72 to 1.27 in	
O'a1 -- 47 to 80 in	muck	moderately rapid	11.57 to 14.88 in	

Map Unit Description (MN)

Wright County, Minnesota

804B--Koronis-Sunburg-Hawick complex, 2 to 6 percent slopes

Koronis

Extent: 50 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	sandy loam		moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 25 in	sandy loam		moderately rapid	2.60 to 3.29 in	5.6 to 7.3
Bk --	25 to 60 in	sandy loam		moderately rapid	3.81 to 5.54 in	7.4 to 8.4

Sunburg

Extent: 20 percent of the unit

Landform(s): hills on moraines

Slope gradient: 4 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Apk --	0 to 7 in	sandy loam		moderately rapid	1.13 to 1.28 in	6.6 to 8.4
Bk --	7 to 60 in	sandy loam		moderately rapid	5.80 to 8.44 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

804B--Koronis-Sunburg-Hawick complex, 2 to 6 percent slopes

Hawick

Extent: 15 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw --	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C --	11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

804C2--Koronis-Sunburg-Hawick complex, 6 to 12 percent slopes, eroded

Koronis, eroded

Extent: 45 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	sandy loam		moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 25 in	sandy loam		moderately rapid	2.60 to 3.29 in	5.6 to 7.3
Bk --	25 to 60 in	sandy loam		moderately rapid	3.81 to 5.54 in	7.4 to 8.4

Sunburg

Extent: 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Apk --	0 to 7 in	sandy loam		moderately rapid	1.13 to 1.28 in	6.6 to 8.4
Bk --	7 to 60 in	sandy loam		moderately rapid	5.80 to 8.44 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

804C2--Koronis-Sunburg-Hawick complex, 6 to 12 percent slopes, eroded

Hawick

Extent: 15 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw --	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C --	11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

804D2--Koronis-Sunburg-Hawick complex, 12 to 18 percent slopes, eroded

Koronis, eroded

Extent: 40 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	sandy loam		moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 25 in	sandy loam		moderately rapid	2.60 to 3.29 in	5.6 to 7.3
Bk --	25 to 60 in	sandy loam		moderately rapid	3.81 to 5.54 in	7.4 to 8.4

Sunburg

Extent: 30 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Apk --	0 to 7 in	sandy loam		moderately rapid	1.13 to 1.28 in	6.6 to 8.4
Bk --	7 to 60 in	sandy loam		moderately rapid	5.80 to 8.44 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

804D2--Koronis-Sunburg-Hawick complex, 12 to 18 percent slopes, eroded

Hawick

Extent: 15 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw --	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C --	11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

804E--Koronis-Sunburg-Hawick complex, 18 to 40 percent slopes

Koronis

Extent: 50 percent of the unit

Landform(s): hills on moraines

Slope gradient: 18 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 5 in	fine sandy loam	moderately rapid	1.02 to 1.13 in	5.6 to 7.3
BA,Bt --	5 to 21 in	fine sandy loam	moderately rapid	2.36 to 2.99 in	5.6 to 7.3
Bk --	21 to 60 in	fine sandy loam	moderately rapid	4.29 to 6.24 in	7.4 to 8.4

Sunburg

Extent: 20 percent of the unit

Landform(s): hills on moraines

Slope gradient: 18 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 4 in	fine sandy loam	moderately rapid	0.63 to 0.71 in	6.6 to 8.4
Bk --	4 to 60 in	fine sandy loam	moderately rapid	6.15 to 8.94 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

804E--Koronis-Sunburg-Hawick complex, 18 to 40 percent slopes

Hawick

Extent: 15 percent of the unit

Landform(s): hills on moraines

Slope gradient: 18 to 40 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .10

Land capability, nonirrigated: 7s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1,A2 --	0 to 11 in	gravelly loamy coarse sand	rapid	0.33 to 1.43 in	6.1 to 7.8
Bw --	11 to 16 in	gravelly loamy coarse sand	rapid	0.15 to 0.51 in	6.1 to 7.8
C --	16 to 60 in	gravelly coarse sand	very rapid	0.87 to 2.62 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

807D2--Koronis-Sunburg complex, 12 to 18 percent slopes, eroded

Koronis, eroded

Extent: 65 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	sandy loam		moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 25 in	sandy loam		moderately rapid	2.60 to 3.29 in	5.6 to 7.3
Bk --	25 to 60 in	sandy loam		moderately rapid	3.81 to 5.54 in	7.4 to 8.4

Sunburg

Extent: 20 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Apk --	0 to 7 in	sandy loam		moderately rapid	1.13 to 1.28 in	6.6 to 8.4
Bk --	7 to 60 in	sandy loam		moderately rapid	5.80 to 8.44 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

875B--Estherville-Hawick complex, 2 to 6 percent slopes

Estherville

Extent: 60 percent of the unit

Landform(s): hills on outwash plains, hills on stream terraces

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 13 in	sandy loam	moderately rapid	1.69 to 2.34 in	5.6 to 7.3
Bw1 -- 13 to 18 in	sandy loam	moderately rapid	0.61 to 0.85 in	5.6 to 7.3
2Bw2 -- 18 to 23 in	loamy coarse sand	rapid	0.10 to 0.20 in	5.6 to 7.3
2C -- 23 to 60 in	gravelly coarse sand	rapid	0.74 to 1.48 in	6.6 to 8.4

Hawick

Extent: 30 percent of the unit

Landform(s): hills on outwash plains, hills on stream terraces

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw -- 7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C -- 11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

875C--Hawick-Estherville complex, 6 to 12 percent slopes

Hawick

Extent: 60 percent of the unit

Landform(s): hills on outwash plains, hills on stream terraces

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw -- 7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C -- 11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4

Estherville

Extent: 25 percent of the unit

Landform(s): hills on outwash plains, hills on stream terraces

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 13 in	sandy loam	moderately rapid	1.69 to 2.34 in	5.6 to 7.3
Bw1 -- 13 to 18 in	sandy loam	moderately rapid	0.61 to 0.85 in	5.6 to 7.3
2Bw2 -- 18 to 23 in	loamy coarse sand	rapid	0.10 to 0.20 in	5.6 to 7.3
2C -- 23 to 60 in	gravelly coarse sand	rapid	0.74 to 1.48 in	6.6 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

896B--Kingsley-Gotham complex, 2 to 6 percent slopes

Kingsley

Extent: 70 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: C

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 6 in	sandy loam		moderate	0.59 to 1.06 in	5.6 to 6.5
E --	6 to 18 in	sandy loam		moderate	1.22 to 1.83 in	5.6 to 6.5
Bt --	18 to 45 in	sandy loam		moderately slow	3.48 to 4.28 in	5.1 to 7.3
C --	45 to 80 in	sandy loam		moderately slow	3.85 to 4.91 in	5.6 to 7.8

Gotham

Extent: 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: glaciofluvial sediments

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .24

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 9 in	loamy sand		rapid	0.91 to 1.09 in	5.6 to 7.3
Bt --	9 to 18 in	loamy sand		rapid	0.54 to 1.00 in	5.1 to 7.3
Bw,BC --	18 to 40 in	sand		rapid	1.98 to 2.43 in	5.1 to 7.3
C --	40 to 80 in	sand		rapid	1.99 to 3.98 in	5.1 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

896C--Kingsley-Gotham complex, 6 to 12 percent slopes

Kingsley

Extent: 70 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .28

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: C

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 6 in	sandy loam		moderate	0.59 to 1.06 in	5.6 to 6.5
E --	6 to 18 in	sandy loam		moderate	1.22 to 1.83 in	5.6 to 6.5
Bt --	18 to 45 in	sandy loam		moderately slow	3.48 to 4.28 in	5.1 to 7.3
C --	45 to 80 in	sandy loam		moderately slow	3.85 to 4.91 in	5.6 to 7.8

Gotham

Extent: 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: glaciofluvial sediments

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .24

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 9 in	loamy sand		rapid	0.91 to 1.09 in	5.6 to 7.3
Bt --	9 to 18 in	loamy sand		rapid	0.54 to 1.00 in	5.1 to 7.3
Bw,BC --	18 to 40 in	sand		rapid	1.98 to 2.43 in	5.1 to 7.3
C --	40 to 80 in	sand		rapid	1.99 to 3.98 in	5.1 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

945C2--Lester-Storden complex, 6 to 12 percent slopes, eroded

Lester, eroded

Extent: 50 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Storden, eroded

Extent: 30 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	7.4 to 8.4
Bk --	7 to 55 in	loam		moderate	7.20 to 9.13 in	7.4 to 8.4
C --	55 to 80 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

945D2--Lester-Storden complex, 12 to 18 percent slopes, eroded

Lester, eroded

Extent: 60 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Storden, eroded

Extent: 20 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	7.4 to 8.4
Bk --	7 to 55 in	loam		moderate	7.20 to 9.13 in	7.4 to 8.4
C --	55 to 80 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

956--Canisteo-Glencoe, depressional, complex, 0 to 2 percent slopes

Canisteo

Extent: 65 percent of the unit

Landform(s): flats on moraines, rims on depressions on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 18 in	clay loam	moderate	3.26 to 3.98 in	7.4 to 8.4
Bkg -- 18 to 39 in	loam	moderate	3.13 to 3.96 in	7.4 to 8.4
Cg -- 39 to 80 in	loam	moderate	6.14 to 7.78 in	7.4 to 8.4

Glencoe, depressional

Extent: 25 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	clay loam	moderate	1.77 to 2.17 in	6.1 to 7.8
A,ABg -- 10 to 35 in	clay loam	moderate	4.54 to 5.54 in	6.1 to 7.8
Bg -- 35 to 48 in	loam	moderate	1.95 to 2.47 in	6.6 to 7.8
Cg -- 48 to 60 in	loam	moderate	1.77 to 2.24 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

978--Cordova-Rolfe, depressional, complex, 0 to 2 percent slopes

Cordova

Extent: 60 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 18 in	clay loam	moderately slow	3.26 to 3.98 in	6.1 to 7.3
Btg -- 18 to 38 in	clay loam	moderately slow	3.01 to 3.81 in	5.1 to 7.3
Cg -- 38 to 80 in	loam	moderate	6.26 to 7.93 in	7.4 to 8.4

Rolfe, depressional

Extent: 30 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: glaciolacustrine sediments over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 12 in	silt loam	moderate	2.60 to 2.83 in	5.1 to 7.3
E -- 12 to 20 in	silt loam	moderate	1.73 to 1.89 in	5.1 to 6.5
Btg -- 20 to 35 in	silty clay	slow	1.69 to 2.00 in	5.6 to 7.3
2Bt -- 35 to 51 in	clay loam	moderate	2.20 to 2.52 in	6.1 to 7.3
2Cg -- 51 to 60 in	loam	moderate	1.36 to 1.72 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1000--Arvilla sandy loam, map >25, 0 to 2 percent slopes

Arvilla, MAP>25

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 14 in	sandy loam	moderately rapid	1.84 to 2.13 in	6.1 to 7.3
Bw -- 14 to 20 in	sandy loam	moderately rapid	0.65 to 0.83 in	6.1 to 7.3
2Bw,2Bk,2C -- 20 to 80 in	gravelly coarse sand	rapid	1.20 to 2.99 in	7.4 to 8.4

1015--Udipsamments (cut and fill land)

Udipsamments, (cut and fill land)

Extent: 100 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 0 to 2 percent

Parent material: variable sandy material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
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Map Unit Description (MN)

Wright County, Minnesota

1016--Udorthents, loamy (cut and fill land)

Udorthents, loamy (cut and fill land)

Extent: 100 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 6 percent

Parent material: variable loamy material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

*Available water
capacity*

pH

Map Unit Description (MN)

Wright County, Minnesota

1023C--Lester-Malardi complex, 6 to 12 percent slopes, eroded

Lester, eroded

Extent: 50 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Malardi

Extent: 35 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	sandy loam		moderately rapid	1.28 to 1.48 in	5.6 to 7.3
Bt --	10 to 15 in	sandy loam		moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt --	15 to 29 in	loamy coarse sand		rapid	0.85 to 1.42 in	5.6 to 7.3
2C --	29 to 80 in	gravelly sand		rapid	1.02 to 2.03 in	7.0 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1023D--Lester-Malardi complex, 12 to 18 percent slopes, eroded

Lester, eroded

Extent: 45 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Malardi

Extent: 40 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	sandy loam		moderately rapid	1.18 to 1.36 in	5.6 to 7.3
Bt --	9 to 14 in	sandy loam		moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt --	14 to 21 in	gravelly loamy coarse sand		rapid	0.40 to 0.67 in	5.6 to 7.3
2C --	21 to 80 in	gravelly sand		rapid	1.18 to 2.36 in	7.0 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1026B--Lizzie silt loam, moderately wet, 1 to 5 percent slopes

Lizzie, moderately wet

Extent: 90 percent of the unit

Landform(s): hills on moraines

Slope gradient: 1 to 5 percent

Parent material: glaciolacustrine sediments

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .37

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: high

Representative soil profile:			Texture	Permeability	Available water capacity	pH
Ap,E	--	0 to 12 in	silt loam	moderate	2.36 to 2.83 in	6.1 to 7.3
Bt	--	12 to 36 in	silt loam	moderate	3.60 to 5.28 in	6.1 to 7.3
BC	--	36 to 40 in	very fine sandy loam	moderate	0.65 to 0.95 in	6.6 to 7.4
C	--	40 to 80 in	very fine sandy loam	moderately rapid	3.18 to 8.75 in	7.4 to 8.4

1027--Udorthents, wet substratum (fill land)

Udorthents, wet substratum (fill land)

Extent: 100 percent of the unit

Landform(s): moraines, outwash plains, stream terraces

Slope gradient: 0 to 2 percent

Parent material: variable soil material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

Representative soil profile:			Texture	Permeability	Available water capacity	pH
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Map Unit Description (MN)

Wright County, Minnesota

1030--Pits, gravel-Udipsamments complex

Pits, gravel

Extent: 80 percent of the unit

Landform(s): outwash plains, stream terraces, moraines

Slope gradient: 0 to 50 percent

Parent material: sandy and gravelly outwash

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

*Available water
capacity*

pH

Udipsamments

Extent: 20 percent of the unit

Landform(s): outwash plains, stream terraces, moraines

Slope gradient: 0 to 25 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

*Available water
capacity*

pH

Map Unit Description (MN)

Wright County, Minnesota

1035B--Crowfork loamy sand, 1 to 6 percent slopes

Crowfork

Extent: 90 percent of the unit

Landform(s): hills on stream terraces

Slope gradient: 1 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .20

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 11 in	loamy sand		rapid	1.10 to 1.32 in	5.6 to 7.3
E --	11 to 20 in	loamy fine sand		rapid	0.54 to 1.00 in	5.1 to 6.5
E&Bt --	20 to 76 in	loamy sand		rapid	3.35 to 6.15 in	5.6 to 7.3
C --	76 to 80 in	sand		rapid	0.08 to 0.28 in	6.1 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1035C--Crowfork loamy sand, 6 to 12 percent slopes

Crowfork

Extent: 90 percent of the unit

Landform(s): hills on stream terraces

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .20

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 11 in	loamy sand		rapid	1.10 to 1.32 in	5.6 to 7.3
E --	11 to 20 in	loamy fine sand		rapid	0.54 to 1.00 in	5.1 to 6.5
E&Bt --	20 to 76 in	loamy sand		rapid	3.35 to 6.15 in	5.6 to 7.3
C --	76 to 80 in	sand		rapid	0.08 to 0.28 in	6.1 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1035D--Crowfork loamy sand, 12 to 18 percent slopes

Crowfork

Extent: 85 percent of the unit

Landform(s): hills on stream terraces

Slope gradient: 12 to 18 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .20

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 11 in	loamy sand	rapid	1.10 to 1.32 in	5.6 to 7.3
E --	11 to 20 in	loamy fine sand	rapid	0.54 to 1.00 in	5.1 to 6.5
E&Bt --	20 to 76 in	loamy sand	rapid	3.35 to 6.15 in	5.6 to 7.3
C --	76 to 80 in	sand	rapid	0.08 to 0.28 in	6.1 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1036B--Angus fine sandy loam, 2 to 5 percent slopes

Angus

Extent: 85 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:

			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	fine sandy loam		moderately rapid	1.09 to 1.36 in	5.6 to 7.3
Bt --	9 to 46 in	loam		moderate	5.55 to 7.03 in	5.1 to 7.3
Bk --	46 to 58 in	loam		moderate	1.65 to 2.24 in	6.1 to 7.8
C --	58 to 80 in	loam		moderate	3.31 to 4.19 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1037--Eckvoll loamy fine sand, map >25, 0 to 3 percent slopes

Eckvoll, MAP>25

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 3 percent

Parent material: outwash over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:

			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	loamy fine sand		rapid	0.91 to 1.09 in	6.1 to 7.3
E --	9 to 24 in	fine sand		rapid	0.90 to 1.20 in	6.1 to 7.3
2Bt --	24 to 45 in	loam		moderate	3.34 to 3.76 in	6.1 to 7.3
2C --	45 to 80 in	loam		moderate	5.96 to 6.66 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1038A--Verndale sandy loam, acid substratum, 0 to 2 percent slopes

Verndale, acid substratum

Extent: 90 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	sandy loam		moderately rapid	1.28 to 1.67 in	5.1 to 7.3
Bt --	10 to 19 in	sandy loam		moderate	1.27 to 1.63 in	5.1 to 7.3
2Bw --	19 to 28 in	sand		rapid	0.54 to 0.72 in	5.1 to 7.3
2C --	28 to 80 in	sand		rapid	1.04 to 3.12 in	5.1 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

1038B--Verndale sandy loam, acid substratum, 2 to 6 percent slopes

Verndale, acid substratum

Extent: 85 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	sandy loam		moderately rapid	1.28 to 1.67 in	5.1 to 7.3
Bt --	10 to 19 in	sandy loam		moderate	1.27 to 1.63 in	5.1 to 7.3
2Bw --	19 to 28 in	sand		rapid	0.54 to 0.72 in	5.1 to 7.3
2C --	28 to 80 in	sand		rapid	1.04 to 3.12 in	5.1 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

1066B--Malardi-Hawick complex, 1 to 6 percent slopes

Malardi

Extent: 65 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 1 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	sandy loam	moderately rapid	1.28 to 1.48 in	5.6 to 7.3
Bt --	10 to 15 in	sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt --	15 to 29 in	loamy coarse sand	rapid	0.85 to 1.42 in	5.6 to 7.3
2C --	29 to 80 in	gravelly sand	rapid	1.02 to 2.03 in	7.0 to 8.4

Hawick

Extent: 25 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 3 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw --	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C --	11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1066C--Malardi-Hawick complex, 6 to 12 percent slopes

Malardi

Extent: 60 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	sandy loam	moderately rapid	1.28 to 1.48 in	5.6 to 7.3
Bt --	10 to 15 in	sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt --	15 to 29 in	loamy coarse sand	rapid	0.85 to 1.42 in	5.6 to 7.3
2C --	29 to 80 in	gravelly sand	rapid	1.02 to 2.03 in	7.0 to 8.4

Hawick

Extent: 25 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw --	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C --	11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1066E--Malardi-Hawick complex, 18 to 35 percent slopes

Malardi

Extent: 55 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 18 to 35 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	5.6 to 7.3
Bt --	9 to 14 in	sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt --	14 to 21 in	gravelly loamy coarse sand	rapid	0.40 to 0.67 in	5.6 to 7.3
2C --	21 to 80 in	gravelly sand	rapid	1.18 to 2.36 in	7.0 to 8.4

Hawick

Extent: 30 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 18 to 35 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw --	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C --	11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1072--Udorthents, shallow (sanitary landfill)

Udorthents, shallow (sanitary landfill)

Extent: 100 percent of the unit

Landform(s): moraines, outwash plains

Slope gradient: 0 to 20 percent

Parent material: variable loamy material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

*Available water
capacity*

pH

Map Unit Description (MN)

Wright County, Minnesota

1075--Klossner and Muskego soils, ponded, 0 to 1 percent slopes

Klossner, ponded

Extent: 40 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa -- 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 -- 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	
2A2 -- 33 to 40 in	loam	moderate	1.28 to 1.56 in	
2Cg -- 40 to 80 in	loam	moderate	5.96 to 7.56 in	

Muskego, ponded

Extent: 40 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa1 -- 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2 -- 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco -- 36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	

Map Unit Description (MN)

Wright County, Minnesota

1080--Klossner, Okoboji, and Glencoe soils, ponded, 0 to 1 percent slopes

Klossner, ponded

Extent: 30 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa -- 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 -- 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	
2A2 -- 33 to 40 in	loam	moderate	1.28 to 1.56 in	
2Cg -- 40 to 80 in	loam	moderate	5.96 to 7.56 in	

Okoboji, ponded

Extent: 30 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: alluvium or lacustrine sediments over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .28

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1 -- 0 to 10 in	mucky silty clay loam	moderate	2.17 to 2.46 in	6.1 to 7.8
A2 -- 10 to 52 in	silty clay loam	moderately slow	7.58 to 8.43 in	6.6 to 7.8
Bg -- 52 to 60 in	silty clay loam	moderately slow	1.42 to 1.57 in	6.6 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1080--Klossner, Okoboji, and Glencoe soils, ponded, 0 to 1 percent slopes

Glencoe, ponded

Extent: 30 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .28

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 42 in		silty clay loam	moderate	7.58 to 9.27 in	6.1 to 7.8
Bg --	42 to 50 in		clay loam	moderate	1.18 to 1.50 in	6.6 to 7.8
Cg --	50 to 60 in		loam	moderate	1.48 to 1.87 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1087B--Angus-Malardi complex, 2 to 6 percent slopes

Angus

Extent: 55 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 35 in	clay loam		moderate	4.07 to 5.16 in	5.1 to 7.3
BC --	35 to 40 in	clay loam		moderate	0.72 to 0.97 in	6.1 to 7.8
C --	40 to 80 in	loam		moderate	5.96 to 7.56 in	7.4 to 8.4

Malardi

Extent: 30 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	sandy loam		moderately rapid	1.28 to 1.48 in	5.6 to 7.3
Bt --	10 to 15 in	sandy loam		moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt --	15 to 29 in	loamy coarse sand		rapid	0.85 to 1.42 in	5.6 to 7.3
2C --	29 to 80 in	gravelly sand		rapid	1.02 to 2.03 in	7.0 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1094B--Angus-Cordova complex, 0 to 5 percent slopes

Angus

Extent: 60 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 35 in	clay loam		moderate	4.07 to 5.16 in	5.1 to 7.3
BC --	35 to 40 in	clay loam		moderate	0.72 to 0.97 in	6.1 to 7.8
C --	40 to 80 in	loam		moderate	5.96 to 7.56 in	7.4 to 8.4

Cordova

Extent: 30 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB --	0 to 13 in	loam		moderate	2.34 to 2.86 in	6.1 to 7.3
Btg --	13 to 33 in	clay loam		moderately slow	3.01 to 3.81 in	5.1 to 6.5
Cg --	33 to 80 in	loam		moderate	7.03 to 8.90 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1099--Granby loamy fine sand, very wet, 0 to 1 percent slopes

Granby, very wet

Extent: 85 percent of the unit

Landform(s): beaches on moraines

Slope gradient: 0 to 1 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .05

Land capability, nonirrigated: 5w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 12 in	loamy fine sand	rapid	1.18 to 1.42 in	5.6 to 7.3
AC -- 12 to 24 in	loamy fine sand	rapid	0.61 to 1.46 in	5.6 to 7.8
C -- 24 to 60 in	loamy fine sand	rapid	1.79 to 3.22 in	6.6 to 8.4

1110--Isan sandy loam, 0 to 2 percent slopes

Isan

Extent: 90 percent of the unit

Landform(s): drainageways on stream terraces, beaches on stream terraces, drainageways on outwash plains, beaches on outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 18 in	sandy loam	moderately rapid	1.81 to 2.72 in	5.6 to 7.3
AB,Bg -- 18 to 29 in	loamy sand	rapid	0.66 to 1.10 in	5.1 to 6.5
Cg -- 29 to 80 in	coarse sand	rapid	2.03 to 3.05 in	5.6 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

1156--Cordova loam, 0 to 2 percent slopes

Cordova

Extent: 85 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB -- 0 to 13 in	loam	moderate	2.34 to 2.86 in	6.1 to 7.3
Btg -- 13 to 33 in	clay loam	moderately slow	3.01 to 3.81 in	5.1 to 6.5
Cg -- 33 to 80 in	loam	moderate	7.03 to 8.90 in	7.4 to 8.4

1163--Suckercreek loam, 0 to 2 percent slopes, frequently flooded

Suckercreek, frequently flooded

Extent: 85 percent of the unit

Landform(s): alluvial flats on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .28

Land capability, nonirrigated: 5w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 22 in	loam	moderately rapid	3.97 to 5.29 in	7.4 to 8.4
Cg -- 22 to 80 in	loamy fine sand	moderately rapid	4.63 to 11.57 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1165--Lundlake silty clay loam, depressional, 0 to 1 percent slopes

Lundlake, depressional

Extent: 90 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 12 in	silty clay loam	moderate	2.01 to 2.60 in	6.6 to 7.3
A1,A2,AB --	12 to 36 in	loam	moderate	4.08 to 5.28 in	6.6 to 7.3
2Bg --	36 to 72 in	sandy loam	moderate	5.43 to 6.88 in	6.6 to 7.8
2Cg --	72 to 80 in	sandy loam	moderately rapid	0.79 to 1.18 in	7.4 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1173--Muskego and Klossner soils, 0 to 1 percent slopes, frequently flooded

Muskego, frequently flooded

Extent: 45 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa1 -- 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2 -- 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco -- 36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	

Klossner, frequently flooded

Extent: 45 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 1 percent

Parent material: organic material over till

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa -- 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 -- 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	
2A2 -- 33 to 40 in	loam	moderate	1.28 to 1.56 in	
2Cg -- 40 to 80 in	loam	moderate	5.96 to 7.56 in	

Map Unit Description (MN)

Wright County, Minnesota

1186--Forestcity-Lundlake, depressional, complex, 0 to 3 percent slopes

Forestcity

Extent: 75 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 0 to 3 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1 -- 0 to 22 in	fine sandy loam	moderately rapid	3.09 to 3.53 in	6.1 to 7.3
A2,AB -- 22 to 43 in	loam	moderate	2.92 to 3.55 in	6.1 to 7.3
2Btg -- 43 to 60 in	sandy clay loam	moderately rapid	1.86 to 2.88 in	5.6 to 7.3
2BCg -- 60 to 80 in	sandy loam	moderately rapid	2.01 to 3.01 in	7.4 to 7.8

Lundlake, depressional

Extent: 20 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1 -- 0 to 20 in	loam	moderate	3.41 to 4.42 in	6.6 to 7.3
A2,A3,AB -- 20 to 46 in	loam	moderate	4.42 to 5.72 in	6.6 to 7.3
Bg -- 46 to 54 in	sandy loam	moderate	1.18 to 1.50 in	6.6 to 7.8
Cg -- 54 to 60 in	sandy loam	moderately rapid	0.59 to 0.89 in	7.4 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1196B--Lida-Two Inlets complex, 1 to 8 percent slopes

Lida

Extent: 60 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 1 to 8 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 6 in	sandy loam	moderately rapid	0.77 to 1.06 in	5.6 to 7.3
E --	6 to 8 in	sandy loam	rapid	0.16 to 0.26 in	5.6 to 7.3
Bt --	8 to 17 in	coarse sandy loam	moderately rapid	0.72 to 1.54 in	5.6 to 7.3
2Bt --	17 to 25 in	gravelly loamy coarse sand	rapid	0.17 to 0.83 in	5.6 to 7.3
2C --	25 to 80 in	gravelly coarse sand	very rapid	0.55 to 3.83 in	7.4 to 8.4

Two Inlets

Extent: 30 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 1 to 8 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt --	9 to 19 in	gravelly loamy sand	rapid	0.89 to 1.08 in	6.1 to 7.3
C --	19 to 80 in	gravelly sand	very rapid	1.22 to 2.44 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1196C--Lida-Two Inlets complex, 8 to 15 percent slopes

Lida

Extent: 55 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 8 to 15 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 6 in	sandy loam	moderately rapid	0.77 to 1.06 in	5.6 to 7.3
E --	6 to 8 in	sandy loam	rapid	0.16 to 0.26 in	5.6 to 7.3
Bt --	8 to 17 in	coarse sandy loam	moderately rapid	0.72 to 1.54 in	5.6 to 7.3
2Bt --	17 to 25 in	gravelly loamy coarse sand	rapid	0.17 to 0.83 in	5.6 to 7.3
2C --	25 to 80 in	gravelly coarse sand	very rapid	0.55 to 3.83 in	7.4 to 8.4

Two Inlets

Extent: 30 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 8 to 15 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt --	9 to 19 in	gravelly loamy sand	rapid	0.89 to 1.08 in	6.1 to 7.3
C --	19 to 80 in	gravelly sand	very rapid	1.22 to 2.44 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1196E--Lida-Two Inlets complex, 15 to 30 percent slopes

Lida

Extent: 50 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 15 to 30 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 6 in	sandy loam	moderately rapid	0.77 to 1.06 in	5.6 to 7.3
E --	6 to 8 in	sandy loam	rapid	0.16 to 0.26 in	5.6 to 7.3
Bt --	8 to 17 in	coarse sandy loam	moderately rapid	0.72 to 1.54 in	5.6 to 7.3
2Bt --	17 to 25 in	gravelly loamy coarse sand	rapid	0.17 to 0.83 in	5.6 to 7.3
2C --	25 to 80 in	gravelly coarse sand	very rapid	0.55 to 3.83 in	7.4 to 8.4

Two Inlets

Extent: 40 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 15 to 30 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

Land capability, nonirrigated: 7s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 8 in	loamy sand	rapid	0.79 to 0.94 in	5.6 to 7.3
BE,Bt --	8 to 20 in	loamy sand	rapid	1.10 to 1.34 in	6.1 to 7.3
BC,C --	20 to 80 in	gravelly sand	very rapid	1.20 to 2.39 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1197--Suckercreek fine sandy loam, 0 to 2 percent slopes, occasionally flooded

Suckercreek, occasionally flooded

Extent: 80 percent of the unit

Landform(s): alluvial flats on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 4w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 12 in		fine sandy loam	moderately rapid	2.13 to 2.83 in	7.4 to 8.4
Cg --	12 to 80 in		fine sandy loam	moderately rapid	5.45 to 13.62 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1199--Klossner and Lundlake soils, ponded, 0 to 1 percent slopes

Lundlake, ponded

Extent: 45 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .28

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1 -- 0 to 8 in	mucky loam	moderate	1.34 to 1.73 in	6.6 to 7.3
A2 -- 8 to 26 in	loam	moderate	3.08 to 3.98 in	6.6 to 7.3
A3,A4,Bkg -- 26 to 80 in	sandy loam	moderately rapid	5.39 to 8.09 in	7.4 to 7.8

Klossner, ponded

Extent: 45 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa -- 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 -- 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	
2A2 -- 33 to 40 in	loam	moderate	1.28 to 1.56 in	
2Cg -- 40 to 80 in	loam	moderate	5.96 to 7.56 in	

Map Unit Description (MN)

Wright County, Minnesota

1203--Muskego, Blue Earth, and Houghton soils, ponded, 0 to 1 percent slopes

Muskego, ponded

Extent: 30 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa1 -- 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2 -- 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco -- 36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	

Blue Earth, ponded

Extent: 30 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: coprogenous earth over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .37

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 50 in	mucky silt loam	moderate	9.00 to 12.00 in	7.4 to 8.4
Cg -- 50 to 60 in	mucky silt loam	moderate	1.77 to 2.36 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1203--Muskego, Blue Earth, and Houghton soils, ponded, 0 to 1 percent slopes

Houghton, ponded

Extent: 30 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa -- 0 to 80 in	muck	moderately rapid	27.97 to 35.96 in	

1204B--Reedslake loam, 2 to 5 percent slopes

Reedslake

Extent: 85 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 12 in	loam	moderate	2.36 to 2.60 in	5.6 to 7.3
Bt -- 12 to 26 in	clay loam	moderate	2.13 to 2.69 in	5.6 to 7.3
Bk -- 26 to 48 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C -- 48 to 80 in	loam	moderate	4.84 to 6.13 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1207B--Reedslake-Le Sueur complex, 1 to 5 percent slopes

Reedslake

Extent: 60 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 12 in	loam		moderate	2.36 to 2.60 in	5.6 to 7.3
Bt --	12 to 26 in	clay loam		moderate	2.13 to 2.69 in	5.6 to 7.3
Bk --	26 to 48 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	48 to 80 in	loam		moderate	4.84 to 6.13 in	7.4 to 8.4

Le Sueur

Extent: 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 1 to 4 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB --	0 to 14 in	loam		moderate	2.83 to 3.40 in	5.6 to 7.3
Bt --	14 to 40 in	clay loam		moderate	3.90 to 4.94 in	5.1 to 7.3
Bk --	40 to 55 in	loam		moderate	2.24 to 2.84 in	7.4 to 8.4
C --	55 to 80 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1213C--Cokato-Storden complex, 6 to 12 percent slopes, eroded

Cokato, eroded

Extent: 65 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 23 in	clay loam		moderate	2.24 to 2.84 in	5.6 to 7.3
Bk --	23 to 48 in	loam		moderate	3.78 to 4.79 in	7.4 to 8.4
C --	48 to 80 in	loam		moderate	4.78 to 6.06 in	7.4 to 8.4

Storden

Extent: 20 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	7.4 to 8.4
Bk --	7 to 55 in	loam		moderate	7.20 to 9.13 in	7.4 to 8.4
C --	55 to 80 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1213D--Cokato-Storden complex, 12 to 18 percent slopes, eroded

Cokato, eroded

Extent: 60 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 20 in	clay loam		moderate	1.83 to 2.32 in	5.6 to 7.3
Bk --	20 to 40 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4
C --	40 to 80 in	loam		moderate	5.96 to 7.56 in	7.4 to 8.4

Storden

Extent: 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	7.4 to 8.4
Bk --	7 to 55 in	loam		moderate	7.20 to 9.13 in	7.4 to 8.4
C --	55 to 80 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1220C--Cokato-Storden-Hawick complex, 6 to 12 percent slopes, eroded

Cokato, eroded

Extent: 50 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 23 in	clay loam		moderate	2.24 to 2.84 in	5.6 to 7.3
Bk --	23 to 48 in	loam		moderate	3.78 to 4.79 in	7.4 to 8.4
C --	48 to 80 in	loam		moderate	4.78 to 6.06 in	7.4 to 8.4

Storden

Extent: 20 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	7.4 to 8.4
Bk --	7 to 55 in	loam		moderate	7.20 to 9.13 in	7.4 to 8.4
C --	55 to 80 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1220C--Cokato-Storden-Hawick complex, 6 to 12 percent slopes, eroded

Hawick

Extent: 15 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .15

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB --	0 to 10 in	gravelly sandy loam	rapid	0.30 to 1.28 in	6.1 to 7.8
C --	10 to 60 in	gravelly coarse sand	very rapid	1.00 to 3.00 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1223--Sandberg-Arvilla complex, map >25, 0 to 3 percent slopes

Sandberg, MAP>25

Extent: 60 percent of the unit

Landform(s): stream terraces, -- error in exists on --

Slope gradient: 1 to 3 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .10

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 11 in	loamy coarse sand	rapid	1.10 to 1.32 in	5.6 to 7.8
Bw,BC -- 11 to 35 in	gravelly coarse sand	rapid	0.72 to 2.40 in	6.1 to 7.8
C -- 35 to 80 in	gravelly coarse sand	very rapid	0.90 to 2.69 in	7.4 to 8.4

Arvilla, MAP>25

Extent: 30 percent of the unit

Landform(s): stream terraces, -- error in exists on --

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .17

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 14 in	coarse sandy loam	moderately rapid	1.84 to 2.13 in	6.1 to 7.3
Bw -- 14 to 17 in	coarse sandy loam	moderately rapid	0.30 to 0.39 in	6.1 to 7.3
2Bw,2C -- 17 to 80 in	gravelly coarse sand	rapid	1.26 to 3.15 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1224--Hubbard-Verndale, acid substratum, complex, 0 to 3 percent slopes

Hubbard

Extent: 60 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 1 to 3 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .10

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 11 in	loamy coarse sand	rapid	0.88 to 1.32 in	5.1 to 7.3
Bw -- 11 to 27 in	loamy sand	rapid	0.48 to 1.13 in	5.1 to 7.3
BC,C -- 27 to 80 in	sand	rapid	1.58 to 3.69 in	5.6 to 7.8

Verndale, acid substratum

Extent: 30 percent of the unit

Landform(s): swales on stream terraces, swales on outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	coarse sandy loam	moderately rapid	1.28 to 1.67 in	5.1 to 7.3
Bt -- 10 to 16 in	coarse sandy loam	moderate	0.88 to 1.13 in	5.1 to 7.3
2Bw -- 16 to 45 in	coarse sand	rapid	1.72 to 2.30 in	5.1 to 7.3
2C -- 45 to 80 in	sand	rapid	0.70 to 2.10 in	5.1 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

1231--Hubbard-Mosford complex, 0 to 3 percent slopes

Hubbard

Extent: 60 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 1 to 3 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .10

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB -- 0 to 20 in	loamy sand	rapid	1.61 to 2.41 in	5.1 to 7.3
Bw -- 20 to 32 in	loamy sand	rapid	0.35 to 0.83 in	5.1 to 7.3
BC,C -- 32 to 80 in	sand	rapid	1.44 to 3.36 in	5.6 to 7.8

Mosford

Extent: 30 percent of the unit

Landform(s): swales on stream terraces, swales on outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 13 in	sandy loam	moderately rapid	1.69 to 2.34 in	5.1 to 7.3
Bw -- 13 to 16 in	coarse sandy loam	moderately rapid	0.38 to 0.54 in	5.1 to 7.3
2Bw -- 16 to 35 in	coarse sand	rapid	0.57 to 2.08 in	5.1 to 7.3
2C -- 35 to 80 in	sand	rapid	0.90 to 3.14 in	5.1 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1255--Elkriver fine sandy loam, 0 to 2 percent slopes, occasionally flooded

Elkriver, occasionally flooded

Extent: 80 percent of the unit

Landform(s): alluvial flats on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 2w

Hydric soil: no

Hydrologic group: A/D

Potential for frost action: moderate

Representative soil profile:		Texture	Permeability	Available water capacity	pH
Ap --	0 to 10 in	fine sandy loam	moderately rapid	1.57 to 1.97 in	5.1 to 7.3
A1,A3 --	10 to 26 in	fine sandy loam	moderately rapid	2.42 to 3.23 in	5.1 to 7.3
Bw --	26 to 32 in	very fine sandy loam	moderately rapid	0.89 to 1.12 in	5.6 to 7.8
2C --	32 to 80 in	sand	rapid	0.96 to 4.80 in	5.6 to 7.8

1256--Cantlin loamy fine sand, 0 to 3 percent slopes

Cantlin

Extent: 90 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 3 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .20

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

Representative soil profile:		Texture	Permeability	Available water capacity	pH
Ap --	0 to 8 in	loamy fine sand	rapid	0.79 to 0.94 in	5.1 to 6.0
Bw --	8 to 22 in	loamy fine sand	rapid	0.85 to 1.13 in	5.1 to 6.0
BC,C --	22 to 80 in	fine sand	rapid	2.89 to 4.05 in	5.1 to 6.5

Map Unit Description (MN)

Wright County, Minnesota

1257--Elkriver-Mosford complex, 0 to 6 percent slopes, rarely flooded

Elkriver, rarely flooded

Extent: 55 percent of the unit

Landform(s): benches on flood plains

Slope gradient: 0 to 3 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: rare

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	fine sandy loam	moderately rapid	1.57 to 1.97 in	5.1 to 7.3
A1,A3 --	10 to 35 in	fine sandy loam	moderately rapid	3.78 to 5.04 in	5.1 to 7.3
Bw --	35 to 39 in	fine sandy loam	moderately rapid	0.59 to 0.75 in	5.6 to 7.8
2C --	39 to 80 in	sand	rapid	0.82 to 4.09 in	5.6 to 7.8

Mosford, rarely flooded

Extent: 35 percent of the unit

Landform(s): rises on benches on flood plains

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: rare

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 11 in	fine sandy loam	moderately rapid	1.43 to 1.98 in	5.1 to 7.3
Bw --	11 to 16 in	fine sandy loam	moderately rapid	0.61 to 0.87 in	5.1 to 7.3
2Bw --	16 to 25 in	fine sand	rapid	0.27 to 1.00 in	5.1 to 7.3
2C --	25 to 80 in	sand	rapid	1.09 to 3.83 in	5.1 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1260B--Stonelake-Nebish, moderately wet, complex, 2 to 6 percent slopes

Stonelake

Extent: 55 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .17

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 8 in	loamy coarse sand	very rapid	0.79 to 0.94 in	5.1 to 6.5
Bt -- 8 to 30 in	very gravelly loamy coarse sand	very rapid	0.66 to 1.76 in	5.1 to 6.5
BC,C -- 30 to 80 in	gravelly sand	very rapid	1.00 to 2.50 in	5.1 to 7.4

Nebish, moderately wet

Extent: 30 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 6 in	fine sandy loam	moderately rapid	0.77 to 1.06 in	5.6 to 7.3
E -- 6 to 9 in	fine sandy loam	moderately rapid	0.35 to 0.60 in	5.6 to 7.3
Bt -- 9 to 43 in	clay loam	moderate	5.08 to 6.43 in	5.6 to 7.3
Bk -- 43 to 80 in	loam	moderate	4.07 to 7.03 in	7.4 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1260C--Stonelake-Nebish complex, 6 to 12 percent slopes

Stonelake

Extent: 55 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .24

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loamy sand	very rapid	0.71 to 0.85 in	5.1 to 6.5
E --	7 to 20 in	loamy coarse sand	very rapid	0.39 to 0.52 in	5.1 to 6.5
Bt --	20 to 42 in	very gravelly coarse sand	very rapid	0.66 to 1.76 in	5.1 to 6.5
C --	42 to 80 in	very gravelly coarse sand	very rapid	0.76 to 1.89 in	5.1 to 7.8

Nebish

Extent: 30 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 3 in	fine sandy loam	moderately rapid	0.41 to 0.57 in	5.6 to 7.3
E --	3 to 10 in	fine sandy loam	moderately rapid	0.74 to 1.27 in	5.6 to 7.3
Bt --	10 to 29 in	clay loam	moderate	2.89 to 3.67 in	5.6 to 7.3
Bk --	29 to 80 in	loam	moderate	5.59 to 9.65 in	7.4 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1260E--Stonelake-Nebish complex, 12 to 25 percent slopes

Stonelake

Extent: 60 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 25 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .10

Land capability, nonirrigated: 7s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 5 in	gravelly coarse sandy loam	rapid	0.31 to 0.77 in	5.1 to 6.5
Bw --	5 to 11 in	very gravelly coarse sand	very rapid	0.18 to 0.24 in	5.1 to 6.5
Bt --	11 to 20 in	very gravelly coarse sand	very rapid	0.27 to 0.72 in	5.1 to 6.5
BC,C --	20 to 80 in	very gravelly coarse sand	very rapid	1.20 to 2.99 in	5.1 to 7.8

Nebish

Extent: 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 5 in	fine sandy loam	moderately rapid	0.67 to 0.92 in	5.6 to 7.3
EB --	5 to 9 in	fine sandy loam	moderately rapid	0.43 to 0.75 in	5.6 to 7.3
Bt --	9 to 27 in	clay loam	moderate	2.72 to 3.44 in	5.6 to 7.3
Bk --	27 to 80 in	loam	moderate	5.80 to 10.02 in	7.4 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1288--Seelyeville and Markey soils, ponded, 0 to 1 percent slopes

Seelyeville, ponded

Extent: 45 percent of the unit

Landform(s): marshes on outwash plains, marshes on stream terraces

Slope gradient: 0 to 1 percent

Parent material: organic material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa1 -- 0 to 15 in	muck	moderately rapid	5.24 to 6.73 in	
Oa2,Oa3 -- 15 to 80 in	muck	moderately rapid	22.74 to 29.23 in	

Markey, ponded

Extent: 45 percent of the unit

Landform(s): marshes on outwash plains, marshes on stream terraces

Slope gradient: 0 to 1 percent

Parent material: organic material over outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa -- 0 to 27 in	muck	moderately rapid	9.51 to 12.22 in	
A -- 27 to 32 in	loamy sand	rapid	0.14 to 0.38 in	
Cg -- 32 to 80 in	sand	rapid	1.44 to 3.84 in	

Map Unit Description (MN)

Wright County, Minnesota

1356--Water, miscellaneous

Water, miscellaneous

Extent: 100 percent of the unit

Landform(s):

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

*Available water
capacity*

pH

1362B--Angus loam, 2 to 5 percent slopes

Angus

Extent: 85 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:

Texture

Permeability

*Available water
capacity*

pH

Ap --	0 to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 35 in	clay loam	moderate	4.07 to 5.16 in	5.1 to 7.3
BC --	35 to 40 in	clay loam	moderate	0.72 to 0.97 in	6.1 to 7.8
C --	40 to 80 in	loam	moderate	5.96 to 7.56 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1368--Southhaven loam, 0 to 2 percent slopes

Southhaven

Extent: 90 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 2 percent

Parent material: colluvium over outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .28

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A3 --	0 to 48 in	loam		moderate	7.20 to 10.57 in	5.1 to 7.3
Bw --	48 to 62 in	loam		moderate	1.65 to 2.62 in	5.1 to 7.3
2Bw --	62 to 66 in	loamy sand		rapid	0.04 to 0.48 in	5.1 to 7.3
2C --	66 to 80 in	gravelly sand		rapid	0.28 to 0.96 in	5.6 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1377B--Dorset-Two Inlets complex, 2 to 6 percent slopes

Dorset

Extent: 70 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 11 in	sandy loam	moderately rapid	1.43 to 1.65 in	5.6 to 7.3
Bt -- 11 to 19 in	sandy loam	moderately rapid	0.94 to 1.50 in	5.6 to 7.3
2BC -- 19 to 32 in	gravelly loamy sand	rapid	0.78 to 1.30 in	6.6 to 8.4
2C -- 32 to 80 in	gravelly coarse sand	rapid	0.96 to 1.92 in	7.4 to 8.4

Two Inlets

Extent: 20 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt -- 9 to 19 in	gravelly loamy sand	rapid	0.89 to 1.08 in	6.1 to 7.3
C -- 19 to 80 in	gravelly sand	very rapid	1.22 to 2.44 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1377C--Dorset-Two Inlets complex, 6 to 12 percent slopes

Dorset

Extent: 50 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 11 in	sandy loam	moderately rapid	1.43 to 1.65 in	5.6 to 7.3
Bt -- 11 to 19 in	sandy loam	moderately rapid	0.94 to 1.50 in	5.6 to 7.3
2BC -- 19 to 32 in	gravelly loamy sand	rapid	0.78 to 1.30 in	6.6 to 8.4
2C -- 32 to 80 in	gravelly coarse sand	rapid	0.96 to 1.92 in	7.4 to 8.4

Two Inlets

Extent: 35 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt -- 9 to 19 in	gravelly loamy sand	rapid	0.89 to 1.08 in	6.1 to 7.3
C -- 19 to 80 in	gravelly sand	very rapid	1.22 to 2.44 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1377D--Dorset-Two Inlets complex, 12 to 20 percent slopes

Dorset

Extent: 45 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 12 to 20 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	5.6 to 7.3
Bt --	9 to 14 in	sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt,2BC --	14 to 25 in	gravelly loamy sand	rapid	0.66 to 1.10 in	6.6 to 8.4
2C --	25 to 80 in	gravelly sand	rapid	1.09 to 2.19 in	7.4 to 8.4

Two Inlets

Extent: 40 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 12 to 20 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt --	9 to 19 in	gravelly loamy sand	rapid	0.89 to 1.08 in	6.1 to 7.3
C --	19 to 80 in	gravelly sand	very rapid	1.22 to 2.44 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1377E--Dorset-Two Inlets complex, 20 to 35 percent slopes

Dorset

Extent: 45 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 20 to 35 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	5.6 to 7.3
Bt --	9 to 14 in	coarse sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2BC --	14 to 27 in	loamy sand	rapid	0.78 to 1.30 in	6.6 to 8.4
2C --	27 to 80 in	gravelly sand	rapid	1.06 to 2.11 in	7.4 to 8.4

Two Inlets

Extent: 45 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 20 to 35 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

Land capability, nonirrigated: 7s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 8 in	loamy sand	rapid	0.79 to 0.94 in	5.6 to 7.3
BE,Bt --	8 to 20 in	loamy sand	rapid	1.10 to 1.34 in	6.1 to 7.3
BC,C --	20 to 80 in	gravelly sand	very rapid	1.20 to 2.39 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1378--Fordum loam, 0 to 2 percent slopes, occasionally flooded

Fordum, occasionally flooded

Extent: 85 percent of the unit

Landform(s): alluvial flats on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 4w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	loam		moderate	1.54 to 2.17 in	5.1 to 7.3
Cg --	9 to 38 in	loam		moderate	2.91 to 6.41 in	5.1 to 7.3
2Cg --	38 to 80 in	stratified sand to silt loam		rapid	1.67 to 6.68 in	5.6 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

1379B--Dorset-Almora complex, 1 to 4 percent slopes

Dorset

Extent: 65 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 1 to 4 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

Representative soil profile:			Texture	Permeability	Available water capacity	pH
Ap --	0 to 9 in	loam		moderately rapid	1.63 to 1.99 in	5.6 to 7.3
Bt --	9 to 21 in	loam		moderately rapid	1.42 to 2.24 in	5.6 to 7.3
2Bt --	21 to 26 in	gravelly loamy sand		rapid	0.31 to 0.51 in	6.6 to 8.4
2C --	26 to 80 in	gravelly sand		rapid	1.08 to 2.16 in	7.4 to 8.4

Almora

Extent: 25 percent of the unit

Landform(s): flats on outwash plains, flats on stream terraces

Slope gradient: 1 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:			Texture	Permeability	Available water capacity	pH
Ap --	0 to 10 in	loam		moderate	1.97 to 2.17 in	5.6 to 7.3
BE --	10 to 14 in	fine sandy loam		moderate	0.52 to 0.82 in	5.6 to 7.3
Bt --	14 to 36 in	loam		moderate	3.03 to 4.11 in	5.6 to 7.3
2Bt --	36 to 41 in	loamy sand		rapid	0.10 to 0.56 in	5.6 to 7.8
2C --	41 to 80 in	gravelly coarse sand		rapid	0.78 to 2.73 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1380A--Bygland silt loam, map >25, 0 to 2 percent slopes

Bygland, MAP>25

Extent: 85 percent of the unit

Landform(s): lake plains

Slope gradient: 0 to 2 percent

Parent material: glaciolacustrine sediments

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .43

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: C

Potential for frost action: high

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	silt loam	moderate	1.99 to 2.17 in	6.1 to 7.3
Bt --	9 to 23 in	silty clay	moderately slow	1.38 to 2.62 in	6.1 to 7.8
BC --	23 to 27 in	silt loam	moderately slow	0.69 to 0.95 in	7.4 to 8.4
C --	27 to 80 in	stratified silt loam to silty clay loam	moderately slow	8.44 to 11.61 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1380B--Bygland silt loam, map >25, 2 to 6 percent slopes

Bygland, MAP>25

Extent: 70 percent of the unit

Landform(s): hills on lake plains

Slope gradient: 2 to 6 percent

Parent material: glaciolacustrine sediments

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .43

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: C

Potential for frost action: high

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	silt loam	moderate	1.99 to 2.17 in	6.1 to 7.3
Bt --	9 to 23 in	silty clay	moderately slow	1.38 to 2.62 in	6.1 to 7.8
BC --	23 to 27 in	silt loam	moderately slow	0.69 to 0.95 in	7.4 to 8.4
C --	27 to 80 in	stratified silt loam to silty clay loam	moderately slow	8.44 to 11.61 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1380C--Bygland silt loam, map >25, 6 to 12 percent slopes, eroded

Bygland, MAP>25

Extent: 70 percent of the unit

Landform(s): hills on lake plains

Slope gradient: 6 to 12 percent

Parent material: glaciolacustrine sediments

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .43

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: C

Potential for frost action: high

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	silt loam	moderate	1.56 to 1.70 in	6.1 to 7.3
Bt --	7 to 20 in	silty clay	moderately slow	1.30 to 2.47 in	6.1 to 7.8
BC --	20 to 26 in	silt loam	moderately slow	0.94 to 1.30 in	7.4 to 8.4
C --	26 to 80 in	stratified silt loam to silty clay loam	moderately slow	8.63 to 11.87 in	7.4 to 8.4

1381--Lindaas silt loam, morainic, 0 to 2 percent slopes

Lindaas, morainic

Extent: 80 percent of the unit

Landform(s): flats on lake plains, swales on lake plains

Slope gradient: 0 to 2 percent

Parent material: glaciolacustrine sediments

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .37

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 16 in	silt loam	moderate	2.91 to 3.71 in	6.6 to 7.3
Btg --	16 to 32 in	silty clay	slow	1.57 to 2.20 in	6.6 to 7.3
Cg --	32 to 80 in	silty clay loam	moderately slow	5.28 to 7.20 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1383A--Shorewood silty clay loam, moderately wet, 0 to 3 percent slopes

Shorewood, moderately wet

Extent: 95 percent of the unit

Landform(s): lake plains, moraines

Slope gradient: 0 to 3 percent

Parent material: lacustrine sediments over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: no

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A,AB -- 0 to 17 in	silty clay loam	moderately slow	3.05 to 3.72 in	5.6 to 7.3
Bt -- 17 to 39 in	silty clay	moderately slow	2.87 to 3.53 in	5.1 to 7.3
2BCg,2Cg -- 39 to 60 in	loam	moderate	3.13 to 3.96 in	7.4 to 8.4

1388B--Terril loam, moderately wet, 2 to 6 percent slopes

Terril, moderately wet

Extent: 85 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1 -- 0 to 27 in	loam	moderate	5.43 to 5.98 in	6.1 to 7.3
A2,BA -- 27 to 40 in	loam	moderate	2.21 to 2.47 in	6.1 to 7.3
Bw -- 40 to 63 in	loam	moderate	3.65 to 4.11 in	6.1 to 7.3
C -- 63 to 80 in	loam	moderate	2.54 to 3.22 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1406--Medo, Dassel, and Biscay soils, ponded, 0 to 1 percent slopes

Medo, ponded

Extent: 30 percent of the unit

Landform(s): marshes on outwash plains, marshes on stream terraces

Slope gradient: 0 to 1 percent

Parent material: organic material over outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa -- 0 to 20 in	muck	moderately rapid	7.03 to 9.04 in	
2A -- 20 to 34 in	loam	moderately rapid	1.79 to 2.76 in	
2AC,2Cg -- 34 to 60 in	sand	rapid	0.78 to 2.60 in	

Dassel, ponded

Extent: 30 percent of the unit

Landform(s): outwash plains, marshes on stream terraces

Slope gradient: 0 to 1 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .20

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1,A3 -- 0 to 23 in	fine sandy loam	moderately rapid	3.65 to 4.57 in	5.6 to 7.3
Bg -- 23 to 31 in	stratified loamy fine sand to fine sandy loam	moderately rapid	0.99 to 1.41 in	5.6 to 7.3
2Cg -- 31 to 60 in	stratified coarse sand to loamy sand	rapid	0.57 to 2.30 in	6.1 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

1406--Medo, Dassel, and Biscay soils, ponded, 0 to 1 percent slopes

Biscay, ponded

Extent: 30 percent of the unit

Landform(s): marshes on outwash plains, marshes on stream terraces

Slope gradient: 0 to 1 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .28

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1,AB --	0 to 24 in	loam	moderate	4.80 to 5.28 in	6.1 to 7.8
Bg --	24 to 29 in	loam	moderate	0.87 to 0.97 in	6.6 to 7.8
2BCg,2Cg --	29 to 60 in	stratified gravelly coarse sand to loamy sand	very rapid	0.61 to 1.23 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1408B--Angus-Kilkenny complex, 2 to 6 percent slopes

Angus

Extent: 45 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 35 in	clay loam		moderate	4.07 to 5.16 in	5.1 to 7.3
BC --	35 to 40 in	clay loam		moderate	0.72 to 0.97 in	6.1 to 7.8
C --	40 to 80 in	loam		moderate	5.96 to 7.56 in	7.4 to 8.4

Kilkenny

Extent: 40 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: glaciofluvial sediments and reworked till over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: C

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 11 in	clay loam		moderately slow	1.87 to 2.09 in	5.6 to 7.3
Bt --	11 to 35 in	clay loam		moderately slow	3.60 to 4.56 in	5.1 to 7.3
2Bk,2C --	35 to 80 in	loam		moderate	6.73 to 8.53 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1438B--Braham loamy fine sand, moderately wet, 2 to 5 percent slopes

Braham, moderately wet

Extent: 85 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 5 percent

Parent material: outwash over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .28

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

Representative soil profile:

			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loamy fine sand		rapid	0.79 to 0.94 in	5.6 to 7.3
E --	8 to 24 in	loamy fine sand		rapid	1.29 to 1.61 in	5.6 to 7.3
2Bt --	24 to 42 in	sandy clay loam		moderate	2.72 to 3.26 in	5.1 to 7.3
2Bk --	42 to 60 in	loam		moderate	2.66 to 3.19 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1443--Belleville sandy loam, 0 to 2 percent slopes

Belleville

Extent: 85 percent of the unit

Landform(s): beaches on moraines

Slope gradient: 0 to 2 percent

Parent material: glaciolacustrine sediments over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .17

Land capability, nonirrigated: 5w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 11 in		sandy loam	moderately rapid	1.43 to 1.98 in	6.1 to 7.3
Bg --	11 to 27 in		loamy sand	rapid	0.65 to 1.94 in	6.1 to 7.3
2Bg --	27 to 48 in		loam	moderately slow	2.50 to 4.17 in	6.1 to 7.3
2Cg --	48 to 80 in		loam	moderate	4.78 to 6.06 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1901B--Angus-Le Sueur complex, 1 to 5 percent slopes

Angus

Extent: 60 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 35 in	clay loam		moderate	4.07 to 5.16 in	5.1 to 7.3
BC --	35 to 40 in	clay loam		moderate	0.72 to 0.97 in	6.1 to 7.8
C --	40 to 80 in	loam		moderate	5.96 to 7.56 in	7.4 to 8.4

Le Sueur

Extent: 30 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 4 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB --	0 to 14 in	loam		moderate	2.83 to 3.40 in	5.6 to 7.3
Bt --	14 to 40 in	clay loam		moderate	3.90 to 4.94 in	5.1 to 7.3
Bk --	40 to 55 in	loam		moderate	2.24 to 2.84 in	7.4 to 8.4
C --	55 to 80 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1931--Essexville sandy loam, 0 to 2 percent slopes

Essexville

Extent: 75 percent of the unit

Landform(s): beaches on moraines

Slope gradient: 0 to 2 percent

Parent material: glaciolacustrine sediments over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .17

Land capability, nonirrigated: 5w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	sandy loam	moderately rapid	1.94 to 2.69 in	7.4 to 8.4
Bg -- 15 to 30 in	sand	rapid	0.60 to 1.80 in	7.4 to 8.4
2Cg -- 30 to 80 in	loam	moderate	7.50 to 9.50 in	7.4 to 8.4

1942--Forada mucky loam, depressional, 0 to 1 percent slopes

Forada, depressional

Extent: 85 percent of the unit

Landform(s): depressions on outwash plains, depressions on stream terraces

Slope gradient: 0 to 1 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 10 in	mucky loam	moderate	1.97 to 2.17 in	6.1 to 7.3
Bg -- 10 to 21 in	sandy loam	moderately rapid	1.32 to 2.09 in	6.1 to 7.8
2BCg,2Cg -- 21 to 60 in	gravelly coarse sand	rapid	0.78 to 3.90 in	6.6 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

1946--Fordum-Winterfield complex, 0 to 2 percent slopes, frequently flooded

Fordum, frequently flooded

Extent: 70 percent of the unit

Landform(s): alluvial flats on flood plains

Slope gradient: 0 to 1 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: very poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 7 in	fine sandy loam	moderately rapid	0.78 to 1.28 in	5.1 to 7.3
Cg -- 7 to 28 in	sandy loam	moderately rapid	2.09 to 4.59 in	5.1 to 7.3
2Cg -- 28 to 80 in	sand	rapid	2.08 to 5.20 in	5.6 to 7.3

Winterfield, frequently flooded

Extent: 20 percent of the unit

Landform(s): rises on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .20

Land capability, nonirrigated: 4w

Hydric soil: no

Hydrologic group: A/D

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 8 in	loamy fine sand	rapid	0.79 to 0.94 in	5.6 to 7.3
C1,C2 -- 8 to 20 in	sand	rapid	0.73 to 1.34 in	5.6 to 7.3
C3,C5 -- 20 to 80 in	sand	rapid	2.39 to 5.98 in	5.6 to 7.3

Map Unit Description (MN)

Wright County, Minnesota

1975--Oylen sandy loam, 0 to 2 percent slopes

Oylen

Extent: 90 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	sandy loam	moderately rapid	1.18 to 1.57 in	6.1 to 7.3
Bt --	10 to 18 in	sandy loam	moderate	0.99 to 1.49 in	6.1 to 7.3
2Bw --	18 to 38 in	sand	rapid	0.60 to 1.61 in	6.1 to 7.3
2C --	38 to 80 in	gravelly coarse sand	rapid	1.25 to 2.92 in	6.6 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L307B--Koronis loam, 2 to 6 percent slopes

Koronis

Extent: 70 to 90 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 31 in	sandy clay loam		moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk --	31 to 43 in	fine sandy loam		moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C --	43 to 80 in	fine sandy loam		moderately rapid	4.07 to 5.92 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L307C2--Koronis loam, 6 to 12 percent slopes, moderately eroded

Koronis, moderately eroded

Extent: 65 to 80 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .28

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam	moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 31 in	sandy clay loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk --	31 to 43 in	fine sandy loam	moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C --	43 to 80 in	fine sandy loam	moderately rapid	4.07 to 5.92 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L317A--Barry loam, 0 to 2 percent slopes

Barry

Extent: 75 to 90 percent of the unit

Landform(s): swales on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .24

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 11 in	loam	moderately rapid	1.87 to 2.09 in	6.1 to 7.3
Btg --	11 to 33 in	sandy clay loam	moderate	3.31 to 3.97 in	6.1 to 7.3
Bkg --	33 to 60 in	sandy loam	moderately rapid	2.94 to 3.75 in	7.4 to 7.8
Cg --	60 to 80 in	sandy loam	moderately rapid	2.21 to 3.21 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L318A--Lundlake silty clay loam, 0 to 1 percent slopes

Lundlake

Extent: 80 to 100 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1,A2 --	0 to 28 in	silty clay loam	moderate	4.75 to 6.15 in	5.6 to 7.3
AB --	28 to 36 in	loam	moderate	1.34 to 1.73 in	6.6 to 7.3
2Bg1,2Bg2 --	36 to 72 in	sandy loam	moderately rapid	3.62 to 5.43 in	6.6 to 7.8
2Cg --	72 to 80 in	sandy loam	moderately rapid	0.79 to 1.18 in	7.4 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

L320A--Muskego and Klossner soils, lundlake catena, 0 to 1 percent slopes, frequently flooded

Muskego, frequently flooded

Extent: 30 to 100 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa1	--	0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2	--	9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco	--	36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	7.4 to 8.4

Klossner, frequently flooded

Extent: 30 to 100 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 1 percent

Parent material: organic material over loamy glaciofluvial deposits

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa	--	0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1	--	26 to 33 in	silt loam	moderate	1.56 to 1.84 in	6.1 to 7.4
2A2	--	33 to 40 in	loam	moderate	1.28 to 1.56 in	6.1 to 7.4
2Cg	--	40 to 80 in	sandy loam	moderately rapid	3.98 to 5.96 in	7.4 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

L324A--Forestcity, overwash-Forestcity complex, 1 to 4 percent slopes

Forestcity, overwash

Extent: 35 to 55 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 2 to 4 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 2w

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1 -- 0 to 36 in	fine sandy loam	moderately rapid	5.02 to 5.73 in	6.1 to 7.3
A2,AB -- 36 to 43 in	loam	moderate	0.99 to 1.20 in	6.1 to 7.3
2Btg -- 43 to 60 in	loam	moderately rapid	1.86 to 2.88 in	5.6 to 7.3
2BCg -- 60 to 80 in	fine sandy loam	moderately rapid	2.01 to 3.01 in	7.4 to 7.8

Forestcity

Extent: 30 to 50 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 1 to 3 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1 -- 0 to 36 in	fine sandy loam	moderately rapid	5.02 to 5.73 in	6.1 to 7.3
A2,AB -- 36 to 43 in	loam	moderate	0.99 to 1.20 in	6.1 to 7.3
2Btg -- 43 to 60 in	loam	moderately rapid	1.86 to 2.88 in	5.6 to 7.3
2BCg -- 60 to 80 in	fine sandy loam	moderately rapid	2.01 to 3.01 in	7.4 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

L330A--Muskego, Blue Earth and Houghton soils, lundlake catena, 0 to 1 percent slopes, ponded

Muskego, ponded

Extent: 0 to 100 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa1	--	0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2	--	9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco	--	36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	7.4 to 8.4

Blue Earth, ponded

Extent: 0 to 100 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: coprogenous earth over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .28

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A	--	0 to 50 in	silt loam	moderate	9.00 to 12.00 in	7.4 to 8.4
Cg	--	50 to 60 in	silt loam	moderate	1.77 to 2.36 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L330A--Muskego, Blue Earth and Houghton soils, lundlake catena, 0 to 1 percent slopes, ponded

Houghton, ponded

Extent: 0 to 100 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa -- 0 to 80 in	muck	moderately rapid	27.97 to 35.96 in	

L331A--Klossner muck, lundlake catena, 0 to 1 percent slopes

Klossner, drained, lundlake catena

Extent: 65 to 85 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over loamy deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Op,Oa -- 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 -- 26 to 36 in	mucky silty clay loam	moderate	2.17 to 2.56 in	6.1 to 7.4
2A2 -- 36 to 48 in	silty clay loam	moderate	2.20 to 2.69 in	6.1 to 7.4
2Cg -- 48 to 80 in	sandy loam	moderately rapid	3.19 to 4.78 in	7.4 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

L334A--Houghton and Muskego soils, lundlake catena, 0 to 1 percent slopes

Houghton, surface drained

Extent: 20 to 60 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

Representative soil profile:

Oa -- 0 to 80 in muck

Texture

Permeability

Available water capacity

pH

moderately rapid 27.97 to 35.96 in

Muskego, surface drained

Extent: 20 to 60 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative soil profile:

Oa1 -- 0 to 9 in muck

Oa2 -- 9 to 36 in muck

Lco -- 36 to 60 in coprogenous earth

Texture

Permeability

Available water capacity

pH

moderately rapid 3.17 to 4.07 in

moderately rapid 9.37 to 12.05 in

slow 4.32 to 5.76 in 7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L335A--Klossner soils, lundlake catena, 0 to 1 percent slopes

Klossner, surface drained, lundlake catena

Extent: 50 to 100 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over loamy deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa -- 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 -- 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	6.1 to 7.4
2A2 -- 33 to 40 in	loam	moderate	1.28 to 1.56 in	6.1 to 7.4
2Cg -- 40 to 80 in	sandy loam	moderately rapid	3.98 to 5.96 in	7.4 to 7.8

Klossner, drained, lundlake catena

Extent: 0 to 40 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over loamy deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Op -- 0 to 10 in	muck	moderately rapid	3.44 to 4.72 in	
Oa -- 10 to 26 in	muck	moderately rapid	5.65 to 7.75 in	
2A1 -- 26 to 36 in	mucky silty clay loam	moderate	2.17 to 2.56 in	6.1 to 7.4
2A2 -- 36 to 48 in	silty clay loam	moderate	2.20 to 2.69 in	6.1 to 7.4
2Cg -- 48 to 80 in	sandy loam	moderately rapid	3.19 to 4.78 in	7.4 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

L347A--Klossner and Lundlake soils, 0 to 1 percent slopes, ponded

Klossner, lundlake catena, ponded

Extent: 0 to 100 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over loamy deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa --	0 to 26 in	muck		moderately rapid	9.09 to 12.47 in	
2A1 --	26 to 33 in	silt loam		moderate	1.56 to 1.84 in	6.1 to 7.4
2A2 --	33 to 40 in	loam		moderate	1.28 to 1.56 in	6.1 to 7.4
2Cg --	40 to 80 in	sandy loam		moderately rapid	3.98 to 5.96 in	7.4 to 7.8

Lundlake, ponded

Extent: 0 to 100 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .24

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 26 in	mucky loam		moderate	4.42 to 5.72 in	6.6 to 7.3
Bg --	26 to 56 in	loam		moderate	5.09 to 6.58 in	6.6 to 7.3
Bk --	56 to 60 in	sandy loam		moderately rapid	0.39 to 0.59 in	6.6 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

L350A--Marcellon loam, 0 to 3 percent slopes

Marcellon

Extent: 75 to 95 percent of the unit

Landform(s): rises on moraines

Slope gradient: 0 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .24

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 13 in	loam	moderate	2.21 to 3.12 in	5.6 to 7.3
Bt -- 13 to 32 in	loam	moderate	2.27 to 3.40 in	5.6 to 7.3
Bk -- 32 to 80 in	sandy loam	moderately rapid	3.36 to 6.72 in	7.4 to 8.4

L351A--Houghton muck, lundlake catena, 0 to 1 percent slopes

Houghton, drained

Extent: 65 to 85 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oap -- 0 to 10 in	muck	moderately rapid	3.44 to 4.43 in	
Oa -- 10 to 80 in	muck	moderately rapid	24.53 to 31.54 in	

Map Unit Description (MN)

Wright County, Minnesota

L355B--Koronis-Sunburg-Hawick complex, 2 to 6 percent slopes

Koronis

Extent: 40 to 60 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	sandy loam	moderately rapid	1.02 to 1.42 in	5.6 to 7.3
Bt --	8 to 31 in	sandy clay loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk --	31 to 43 in	fine sandy loam	moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C --	43 to 80 in	fine sandy loam	moderately rapid	4.07 to 5.92 in	7.4 to 8.4

Sunburg

Extent: 15 to 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 4 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	sandy loam	moderate	1.97 to 2.17 in	6.6 to 8.4
C --	10 to 60 in	fine sandy loam	moderately rapid	5.50 to 8.00 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L355B--Koronis-Sunburg-Hawick complex, 2 to 6 percent slopes

Hawick

Extent: 10 to 20 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .10

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	sandy loam	rapid	0.21 to 0.92 in	6.1 to 7.8
Bw,C --	7 to 80 in	gravelly coarse sand	very rapid	1.46 to 4.37 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L355C2--Koronis-Sunburg-Hawick complex, 6 to 12 percent slopes, moderately eroded

Koronis, moderately eroded

Extent: 35 to 55 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	sandy loam	moderately rapid	1.02 to 1.42 in	5.6 to 7.3
Bt --	8 to 31 in	sandy clay loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk --	31 to 43 in	fine sandy loam	moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C --	43 to 80 in	fine sandy loam	moderately rapid	4.07 to 5.92 in	7.4 to 8.4

Sunburg, moderately eroded

Extent: 20 to 30 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	sandy loam	moderate	1.97 to 2.17 in	6.6 to 8.4
C --	10 to 60 in	fine sandy loam	moderately rapid	5.50 to 8.00 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L355C2--Koronis-Sunburg-Hawick complex, 6 to 12 percent slopes, moderately eroded

Hawick

Extent: 10 to 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .10

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	gravelly sandy loam	rapid	0.21 to 0.92 in	6.1 to 7.8
Bw,C --	7 to 80 in	gravelly coarse sand	very rapid	1.46 to 4.37 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L355D2--Koronis-Sunburg-Hawick complex, 12 to 18 percent slopes, moderately eroded

Koronis, moderately eroded

Extent: 30 to 50 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	sandy loam	moderately rapid	1.02 to 1.42 in	5.6 to 7.3
Bt --	8 to 31 in	sandy clay loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk --	31 to 43 in	fine sandy loam	moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C --	43 to 80 in	fine sandy loam	moderately rapid	4.07 to 5.92 in	7.4 to 8.4

Sunburg, moderately eroded

Extent: 20 to 40 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	sandy loam	moderate	1.42 to 1.56 in	6.6 to 8.4
C --	7 to 60 in	fine sandy loam	moderately rapid	5.80 to 8.44 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L355D2--Koronis-Sunburg-Hawick complex, 12 to 18 percent slopes, moderately eroded

Hawick

Extent: 10 to 20 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .17

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	gravelly sandy loam	rapid	0.21 to 0.92 in	6.1 to 7.8
Bw --	7 to 20 in	gravelly loamy coarse sand	rapid	0.39 to 1.30 in	6.1 to 7.8
Bk --	20 to 60 in	gravelly coarse sand	very rapid	0.80 to 2.39 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L355E--Koronis-Sunburg-Hawick complex, 18 to 40 percent slopes

Koronis

Extent: 30 to 70 percent of the unit

Landform(s): hills on moraines

Slope gradient: 18 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 5 in	fine sandy loam	moderately rapid	0.67 to 0.92 in	5.6 to 7.3
Bt --	5 to 21 in	fine sandy loam	moderately rapid	2.36 to 2.99 in	5.6 to 7.3
Bk --	21 to 60 in	fine sandy loam	moderately rapid	4.29 to 6.24 in	7.4 to 8.4

Sunburg

Extent: 15 to 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 18 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 7 in	fine sandy loam	moderate	1.42 to 1.56 in	6.6 to 8.4
C --	7 to 60 in	fine sandy loam	moderately rapid	5.80 to 8.44 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

L355E--Koronis-Sunburg-Hawick complex, 18 to 40 percent slopes

Hawick

Extent: 10 to 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 18 to 40 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .17

Land capability, nonirrigated: 7s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 14 in	gravelly loamy sand		rapid	0.43 to 1.84 in	6.1 to 7.8
Bk --	14 to 60 in	gravelly coarse sand		rapid	1.37 to 4.57 in	6.1 to 7.8

Map Unit Description (MN)

Wright County, Minnesota

L357D2--Koronis-Sunburg complex, 12 to 18 percent slopes, moderately eroded

Koronis, moderately eroded

Extent: 55 to 75 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	sandy loam		moderately rapid	1.02 to 1.42 in	5.6 to 7.3
Bt --	8 to 31 in	sandy clay loam		moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk --	31 to 43 in	fine sandy loam		moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C --	43 to 80 in	fine sandy loam		moderately rapid	4.07 to 5.92 in	7.4 to 8.4

Sunburg, moderately eroded

Extent: 15 to 35 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderate	1.57 to 1.73 in	6.6 to 8.4
Bk --	8 to 20 in	fine sandy loam		moderately rapid	1.34 to 2.32 in	7.4 to 8.4
C --	20 to 80 in	fine sandy loam		moderately rapid	6.58 to 9.57 in	7.4 to 8.4

Map Unit Description (MN)

Wright County, Minnesota

W--Water

Water

Extent: 100 percent of the unit

Landform(s):

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

*Available water
capacity*

pH

This report provides a semitabular listing of some soil and site properties and interpretations that are valuable in communicating the concept of a map unit. The report also provides easy access to the commonly used conservation planning information in one place. The major soil components in each map unit are displayed. Minor components may be displayed if they are included in the database and are selected at the time the report is generated.